

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043204.D
 Acq On : 18 Nov 2025 10:02
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

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

Quant Time: Nov 19 00:49:32 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	2.781	49	105095	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	283830	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	234772	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.367 95 172524 10.025 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	140789	9.498	ppbv	100
3) Chlorodifluoromethane	1.473	51	138443	9.497	ppbv	100
4) Chloromethane	1.531	50	52372	9.450	ppbv	100
5) Vinyl Chloride	1.577	62	51045	8.422	ppbv	100
6) Bromomethane	1.664	94	26542	9.034	ppbv	100
7) Chloroethane	1.700	64	20375	8.632	ppbv	100
8) Dichlorotetrafluoroethane	1.551	85	114670	9.300	ppbv	100
9) Propene	1.480	41	52671	7.789	ppbv #	1
10) Heptane	4.965	43	168611	9.090	ppbv	100
11) Trichlorofluoromethane	1.875	101	130362	9.077	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.137	101	103679	9.247	ppbv	100
13) Ethanol	1.716	45	17464	8.023	ppbv	100
14) Bromoethene	1.777	108	38037	8.849	ppbv	100
15) Acetone	1.832	43	108422	7.426	ppbv	100
16) 1,3-Butadiene	1.606	39	57871	8.890	ppbv	100
17) tert-Butyl alcohol	2.036	59	179201	9.350	ppbv	100
18) 1,1-Dichloroethene	2.030	96	46313	8.871	ppbv	100
19) Isopropyl Alcohol	1.881	45	71862	8.710	ppbv	100
20) Methylene Chloride	2.056	84	41868	9.708	ppbv	100
21) Allyl Chloride	2.091	41	89266	9.087	ppbv	100
22) trans-1,2-Dichloroethene	2.334	96	52470	8.793	ppbv	100
23) Vinyl Acetate	2.457	43	170459	9.670	ppbv	100
24) 1,1-Dichloroethane	2.405	63	106970	9.287	ppbv	100
25) Ethyl Acetate	2.829	43	289921	9.190	ppbv	100
26) Hexane	2.820	57	129809	9.402	ppbv	100
27) Carbon Disulfide	2.146	76	132086	9.371	ppbv	100
28) Methyl tert-Butyl Ether	2.434	73	62115	9.165	ppbv	100
29) Chloroform	2.842	83	187620	9.561	ppbv	100
30) Cyclohexane	3.846	84	107621	9.297	ppbv	100
31) cis-1,2-Dichloroethene	2.716	61	130357	9.499	ppbv	100
32) 1,1,1-Trichloroethane	3.360	97	198036	9.381	ppbv	100
34) 2-Butanone	2.551	43	182749	9.121	ppbv	100
35) Carbon Tetrachloride	3.755	117	200831	9.322	ppbv	100
36) Benzene	3.648	78	256954	9.453	ppbv	100
37) 1,2-Dichloroethane	3.211	62	150769	9.483	ppbv	100
38) Trichloroethene	4.535	130	100136	9.398	ppbv	100
39) 1,2-Dichloropropane	4.302	63	95097	9.559	ppbv	100
40) 1,4-Dioxane	4.567	88	40441	9.043	ppbv #	100
41) Tetrahydrofuran	3.046	42	104294	9.426	ppbv	100
42) Bromodichloromethane	4.477	83	211504	9.643	ppbv	100
43) Methyl Methacrylate	4.865	69	131003	9.080	ppbv	100
44) 2,2,4-Trimethylpentane	4.626	57	441234	9.451	ppbv	100
45) t-1,3-Dichloropropene	6.399	75	129122	9.601	ppbv	100

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

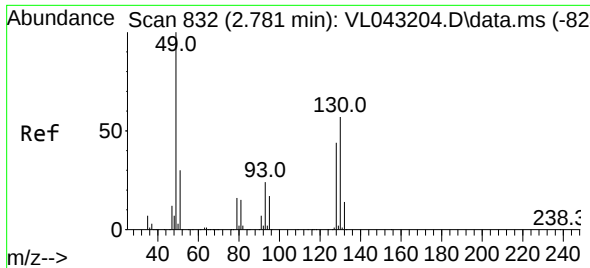
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

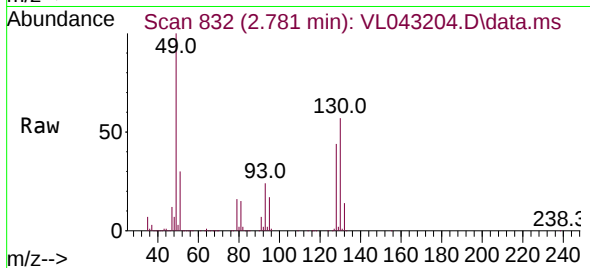
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.584	75	151655	9.603	ppbv	100
47) 1,1,2-Trichloroethane	6.564	97	97512	9.193	ppbv	100
48) Dibromochloromethane	7.377	129	175529	9.670	ppbv	100
49) Bromoform	9.474	173	157563	9.800	ppbv	100
50) 4-Methyl-2-Pentanone	5.733	43	268369	9.509	ppbv	100
51) 2-Hexanone	7.419	43	208268	9.503	ppbv #	100
52) Tetrachloroethene	8.212	164	93518	9.249	ppbv	100
53) Toluene	6.920	91	305169	9.422	ppbv	100
54) 1,2-Dibromoethane	7.639	107	148973	9.588	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.914	131	158856	9.207	ppbv	100
57) Chlorobenzene	8.911	112	227490	9.438	ppbv	100
58) Ethyl Benzene	9.345	91	427530	9.461	ppbv	100
59) m/p-Xylene	9.542	91	673371m	18.519	ppbv	
60) o-Xylene	9.956	91	333044	9.202	ppbv	100
61) Styrene	9.863	104	152172	9.607	ppbv	100
62) Isopropylbenzene	10.533	105	600155	9.269	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.953	83	209272	9.109	ppbv	100
64) n-propylbenzene	10.982	120	154239	9.271	ppbv	100
65) tert-Butylbenzene	11.523	119	522106	9.029	ppbv	100
66) Benzyl Chloride	11.607	91	56620	9.649	ppbv	100
67) sec-Butylbenzene	11.762	105	729573	9.039	ppbv	100
69) p-Isopropyltoluene	11.918	119	624586	9.135	ppbv	100
70) n-Butylbenzene	12.274	91	619610	9.341	ppbv	100
71) 2-Chlorotoluene	10.895	91	460118	9.245	ppbv	100
72) 4-Ethyltoluene	11.118	105	410587	9.316	ppbv	100
73) 1,3,5-Trimethylbenzene	11.196	105	341900	9.244	ppbv	100
74) 1,2,4-Trimethylbenzene	11.529	105	363476	9.005	ppbv	100
75) 1,3-Dichlorobenzene	11.601	146	219894	9.335	ppbv	100
76) 1,4-Dichlorobenzene	11.665	146	220576	9.363	ppbv	100
77) 1,2-Dichlorobenzene	11.940	146	204826	9.044	ppbv	100
78) Hexachloro-1,3-Butadiene	13.876	225	161034	8.520	ppbv	100
79) Naphthalene	13.507	128	351148	9.795	ppbv	100
80) Naphthalene,2-methyl-	14.452	142	93113	9.895	ppbv	100
81) 1,2,4-Trichlorobenzene	13.436	180	159091	9.923	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 832
Delta R.T. -0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

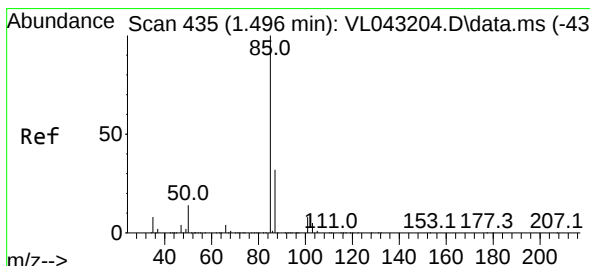
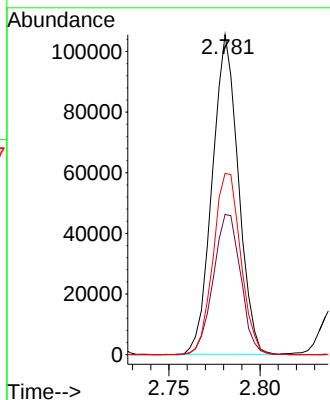
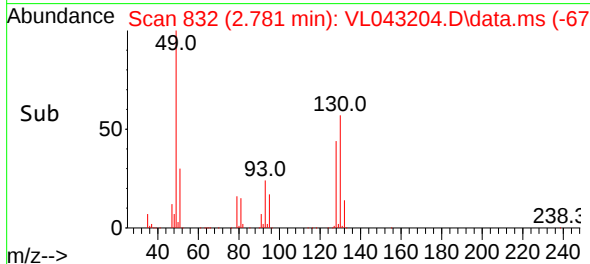
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



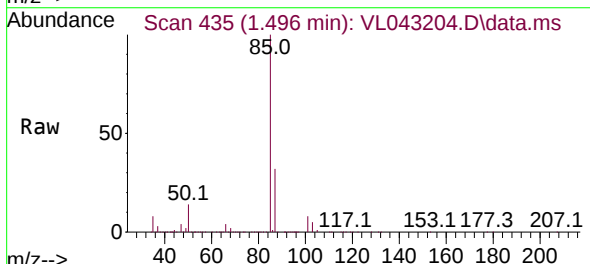
Tgt Ion: 49 Resp: 105095
Ion Ratio Lower Upper
49 100
128 46.0 23.0 69.0
130 59.8 29.9 89.7

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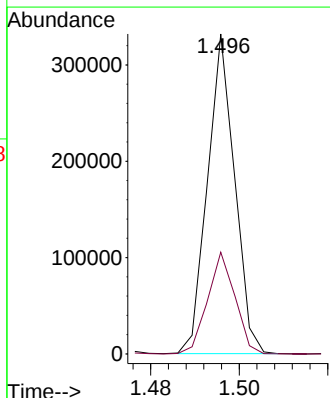
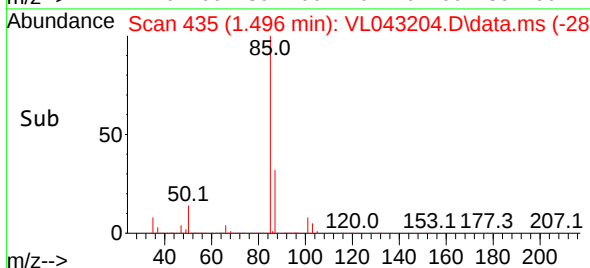
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

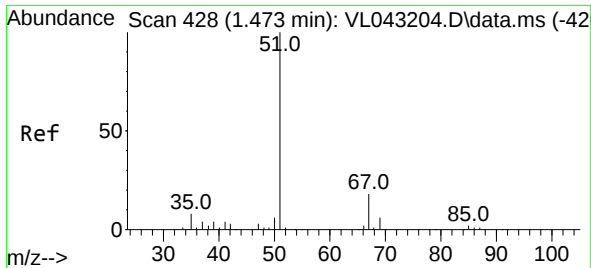


#2
Dichlorodifluoromethane
Concen: 9.498 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02



Tgt Ion: 85 Resp: 140789
Ion Ratio Lower Upper
85 100
87 31.8 25.4 38.2





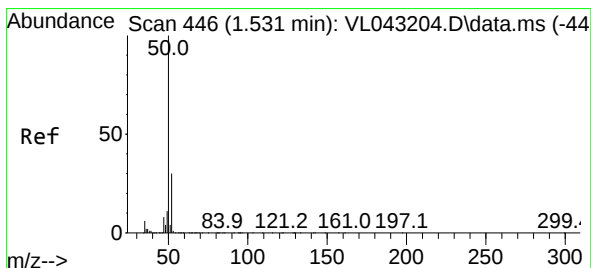
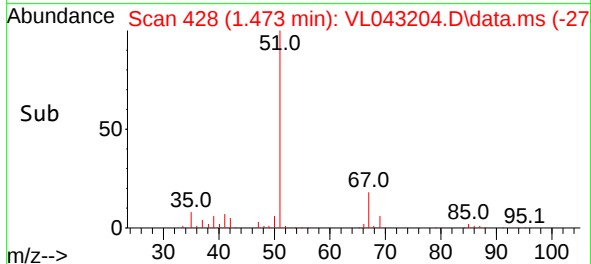
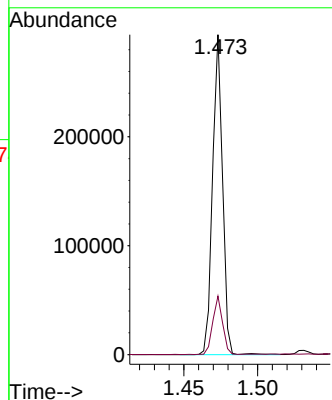
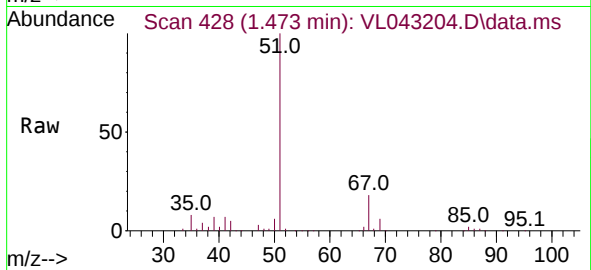
#3
Chlorodifluoromethane
Concen: 9.497 ppbv
RT: 1.473 min Scan# 428
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
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Tgt Ion: 51 Resp: 138443
Ion Ratio Lower Upper
51 100
67 18.6 14.9 22.3

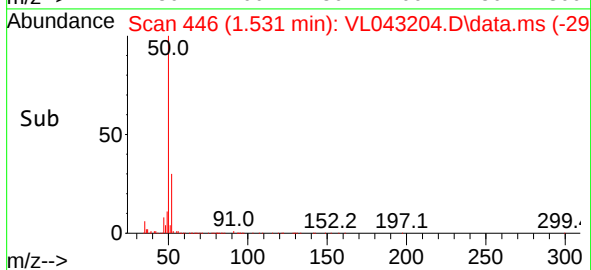
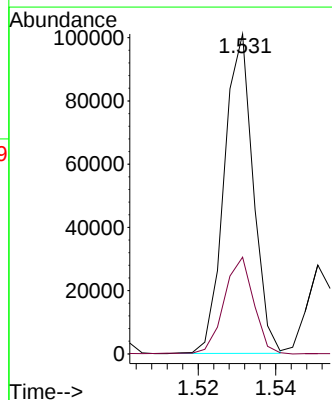
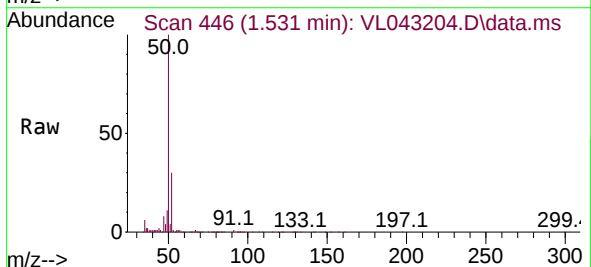
Manual Integrations
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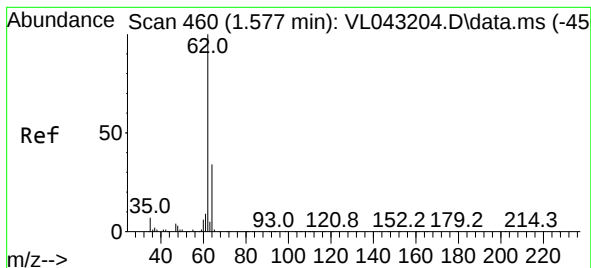
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#4
Chloromethane
Concen: 9.450 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

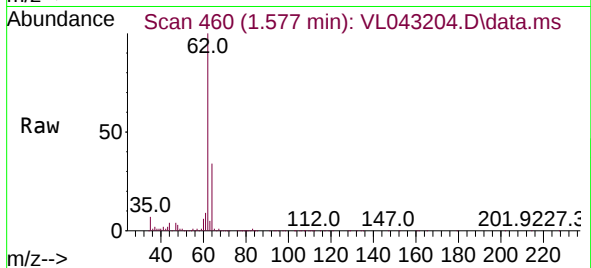
Tgt Ion: 50 Resp: 52372
Ion Ratio Lower Upper
50 100
52 30.1 24.1 36.1





#5
 Vinyl Chloride
 Concen: 8.422 ppbv
 RT: 1.577 min Scan# 460
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

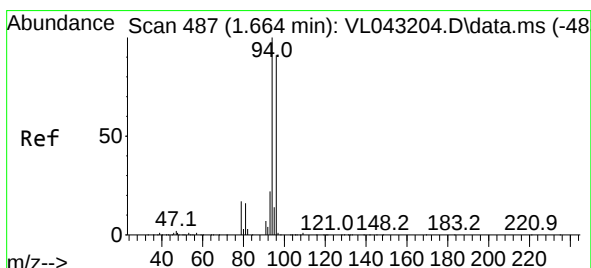
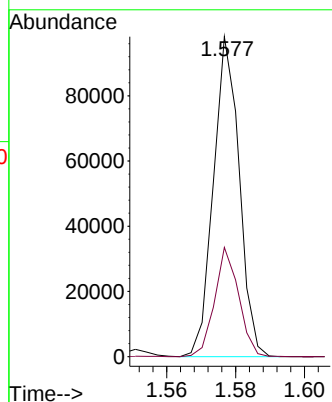
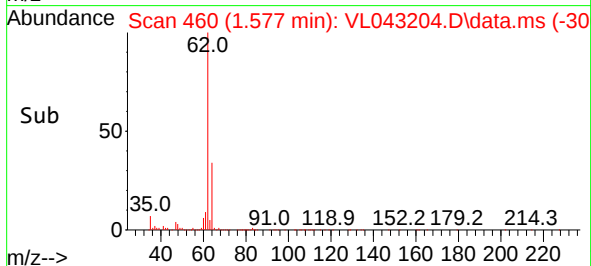
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



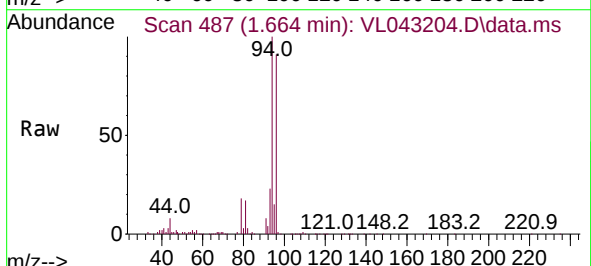
Tgt Ion: 62 Resp: 51045
 Ion Ratio Lower Upper
 62 100
 64 34.1 27.3 40.9

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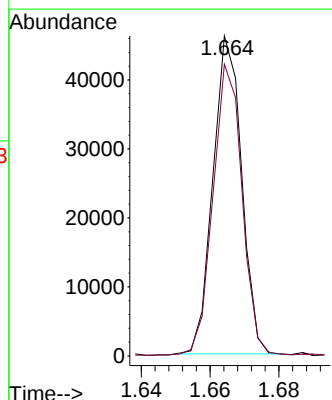
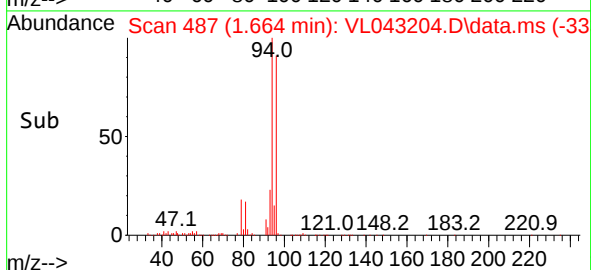
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

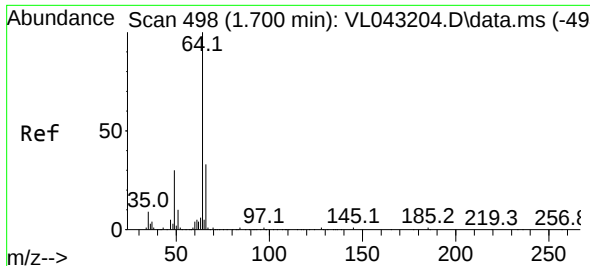


#6
 Bromomethane
 Concen: 9.034 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02



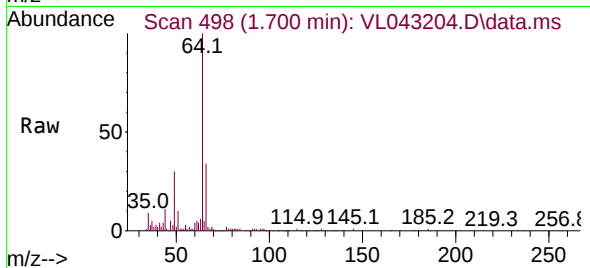
Tgt Ion: 94 Resp: 26542
 Ion Ratio Lower Upper
 94 100
 96 91.1 72.9 109.3





#7
Chloroethane
Concen: 8.632 ppbv
RT: 1.700 min Scan# 498
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

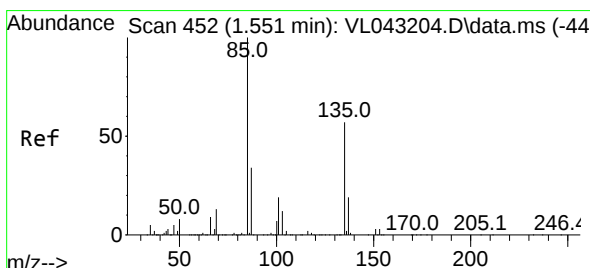
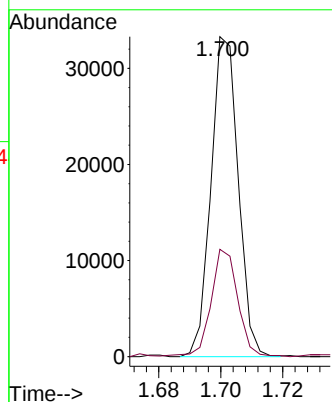
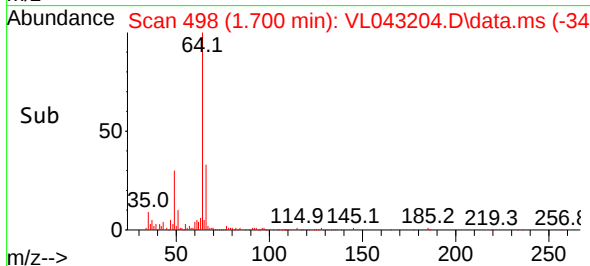
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



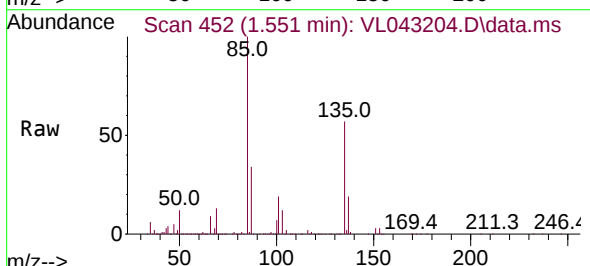
Tgt Ion: 64 Resp: 20375
Ion Ratio Lower Upper
64 100
66 33.5 26.8 40.2

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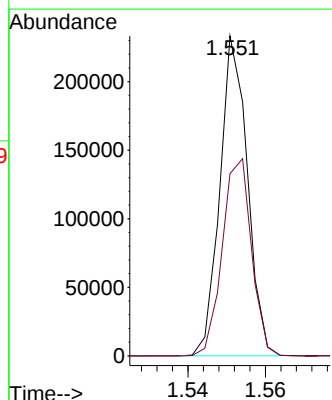
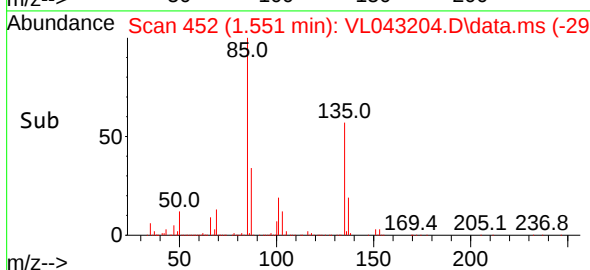
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

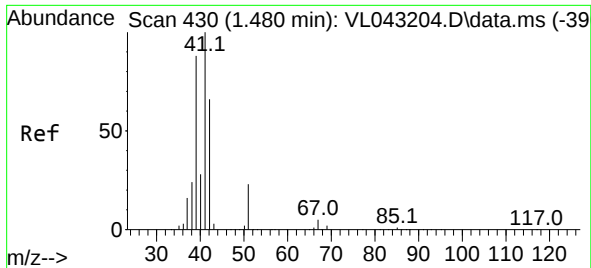


#8
Dichlorotetrafluoroethane
Concen: 9.300 ppbv
RT: 1.551 min Scan# 452
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02



Tgt Ion: 85 Resp: 114670
Ion Ratio Lower Upper
85 100
135 65.8 52.6 79.0





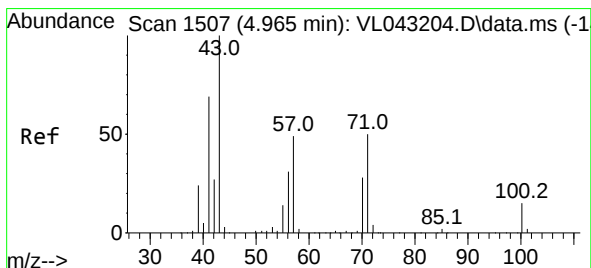
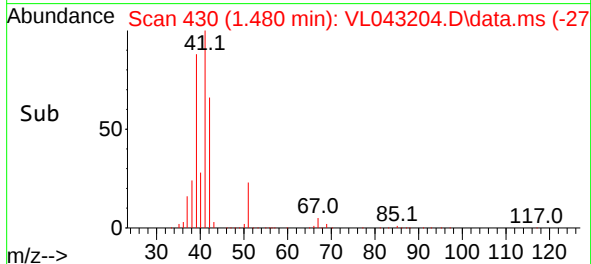
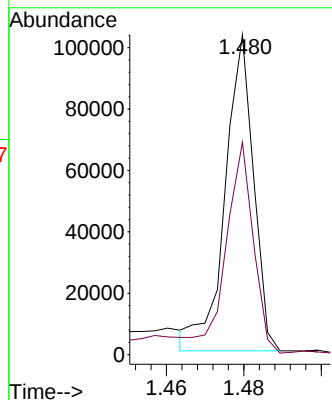
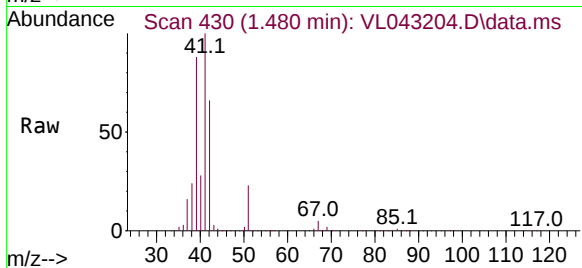
#9
 Propene
 Concen: 7.789 ppbv
 RT: 1.480 min Scan# 430
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 41 Resp: 5267
 Ion Ratio Lower Upper
 41 100
 42 105.2 3.7 5.5

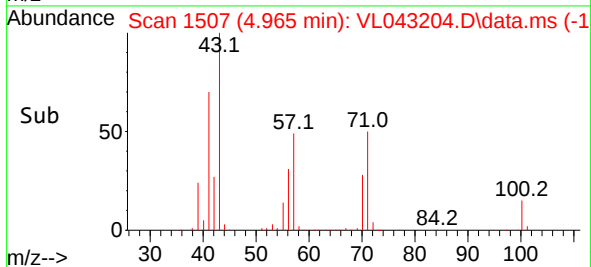
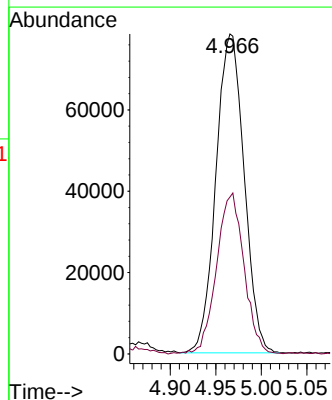
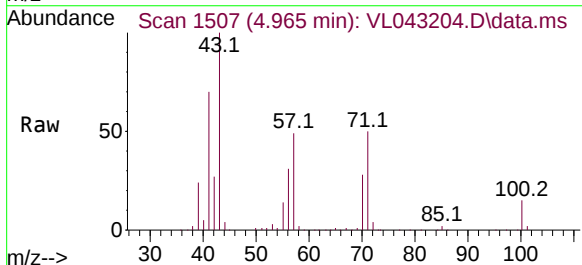
Manual Integrations
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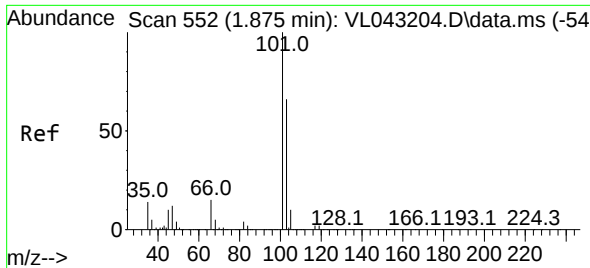
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#10
 Heptane
 Concen: 9.090 ppbv
 RT: 4.965 min Scan# 1507
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

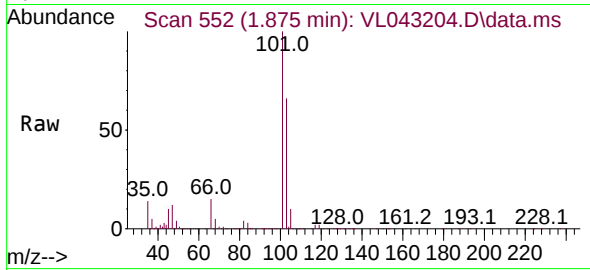
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 Ion Ratio Lower Upper
 43 100
 57 49.6 39.7 59.5





#11
 Trichlorofluoromethane
 Concen: 9.077 ppbv
 RT: 1.875 min Scan# 552
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

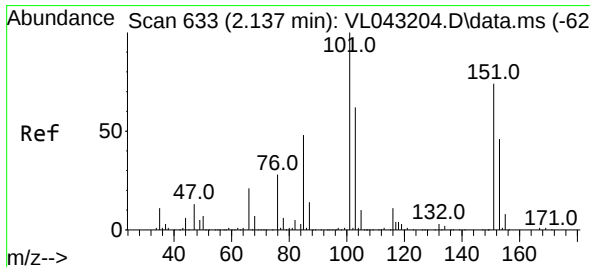
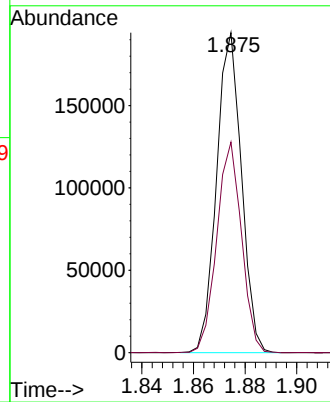
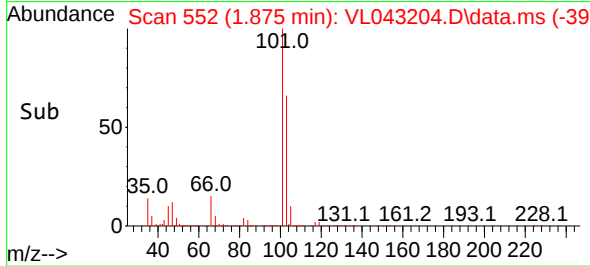
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



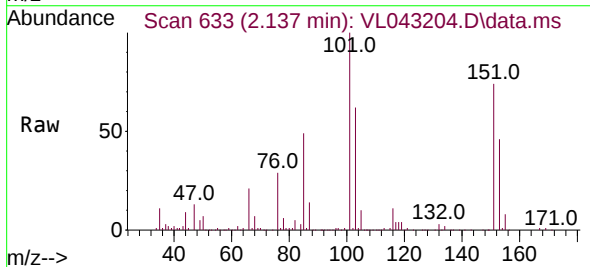
Tgt Ion:101 Resp: 130362
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.6 79.0

Manual Integrations
 APPROVED

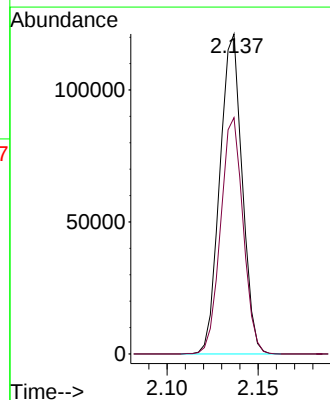
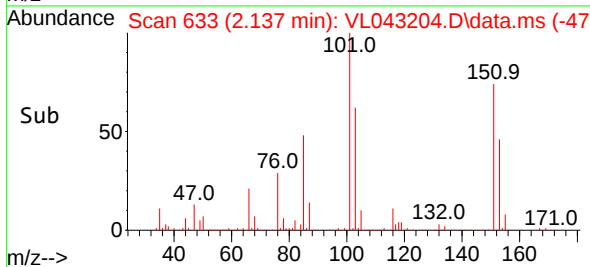
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

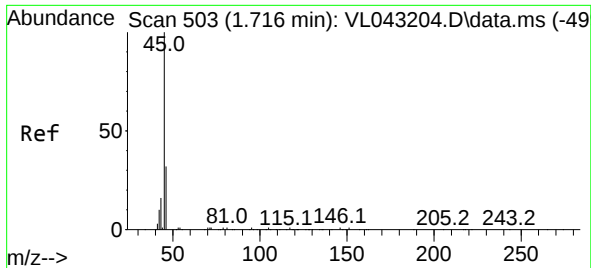


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.247 ppbv
 RT: 2.137 min Scan# 633
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02



Tgt Ion:101 Resp: 103679
 Ion Ratio Lower Upper
 101 100
 151 74.0 59.2 88.8





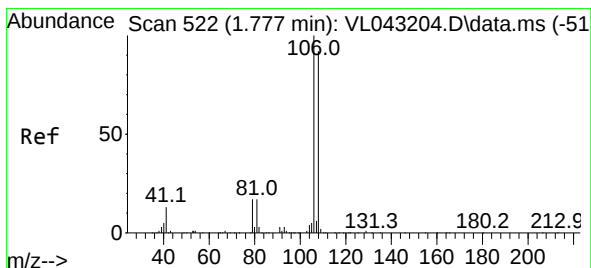
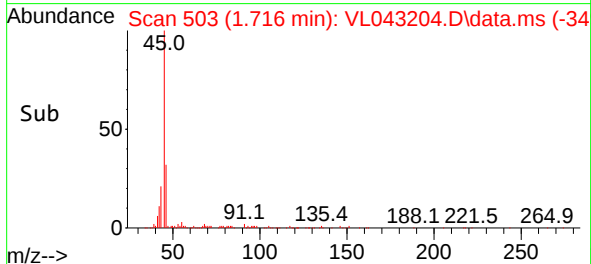
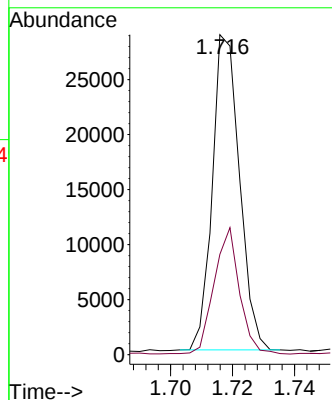
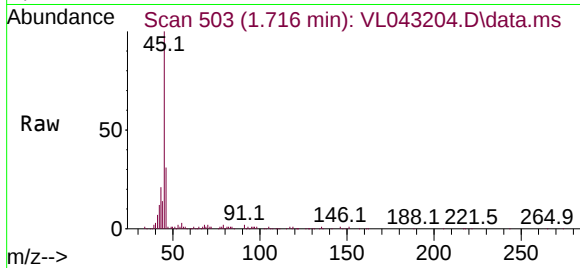
#13
Ethanol
Concen: 8.023 ppbv
RT: 1.716 min Scan# 503
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 17464
Ion Ratio Lower Upper
45 100
46 37.4 15.0 59.8

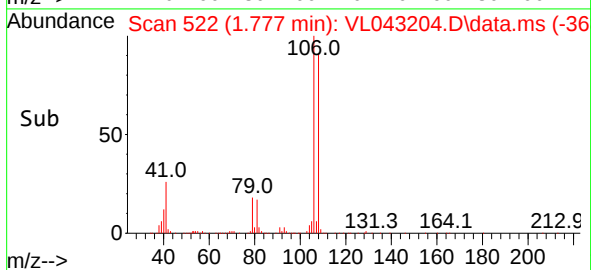
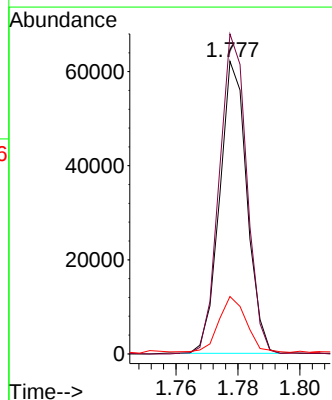
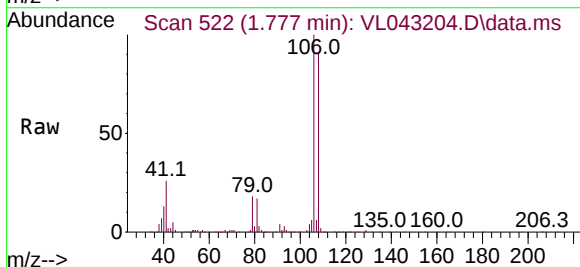
Manual Integrations
APPROVED

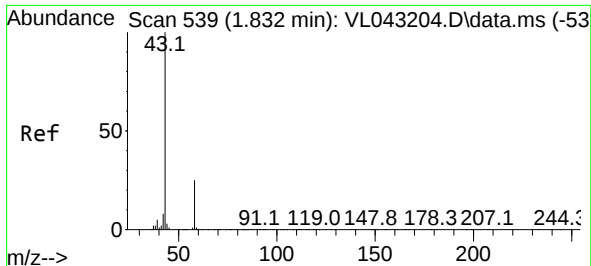
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#14
Bromoethene
Concen: 8.849 ppbv
RT: 1.777 min Scan# 522
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

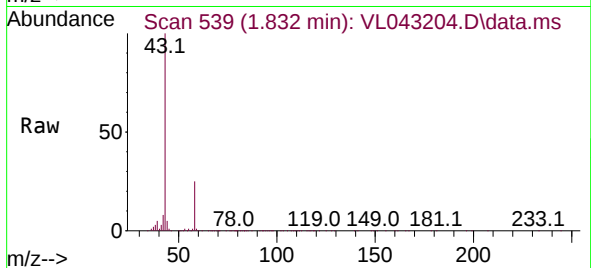
Tgt Ion:108 Resp: 38037
Ion Ratio Lower Upper
108 100
106 111.1 88.9 133.3
79 20.6 16.5 24.7





#15
Acetone
Concen: 7.426 ppbv
RT: 1.832 min Scan# 539
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

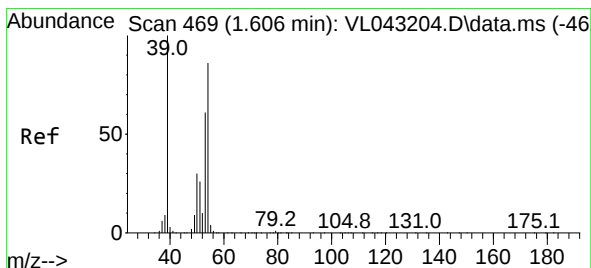
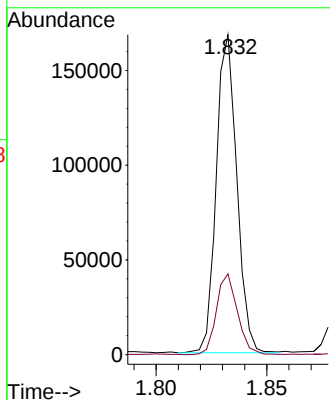
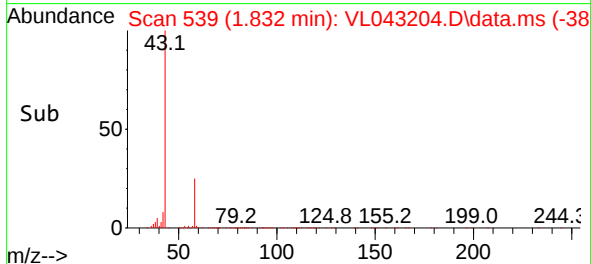
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



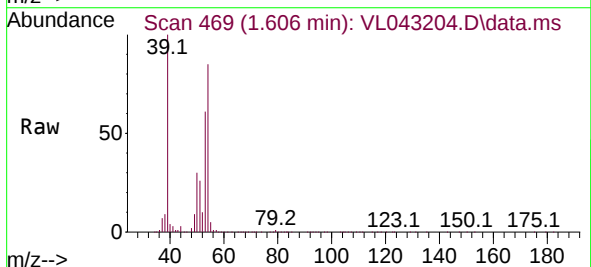
Tgt Ion: 43 Resp: 108422
Ion Ratio Lower Upper
43 100
58 25.9 20.7 31.1

Manual Integrations
APPROVED

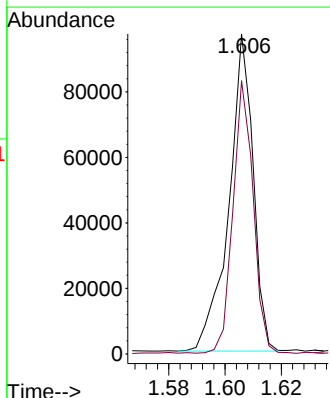
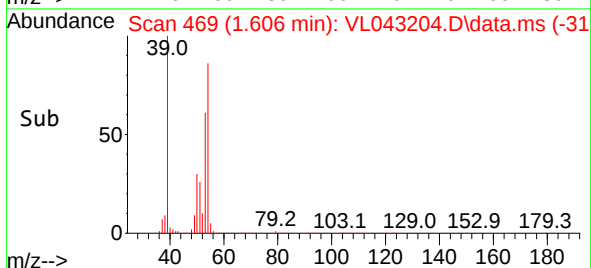
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

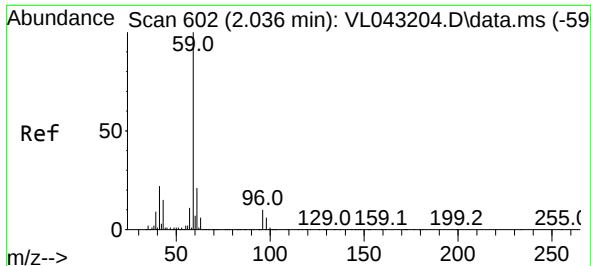


#16
1,3-Butadiene
Concen: 8.890 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02



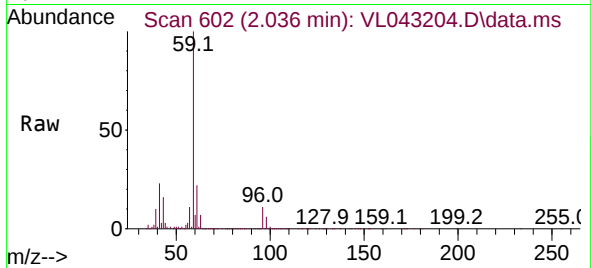
Tgt Ion: 39 Resp: 57871
Ion Ratio Lower Upper
39 100
54 74.3 59.4 89.2





#17
tert-Butyl alcohol
Concen: 9.350 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

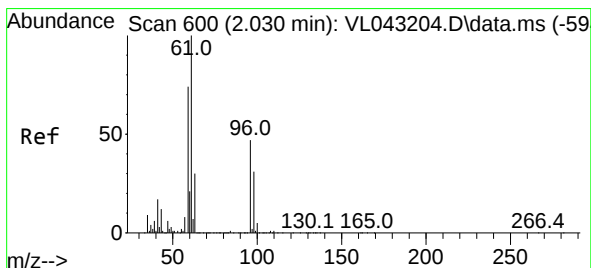
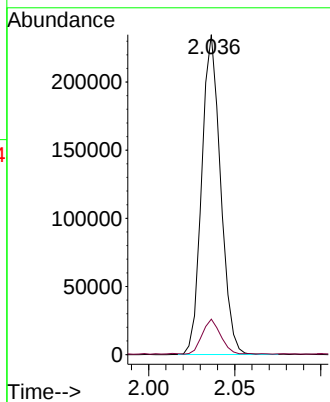
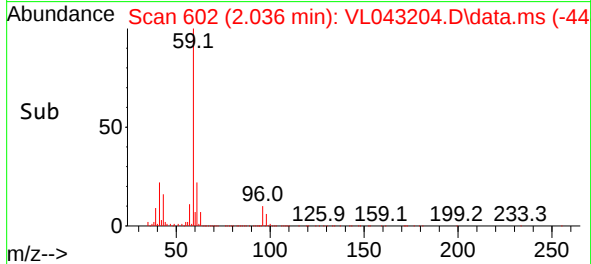
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



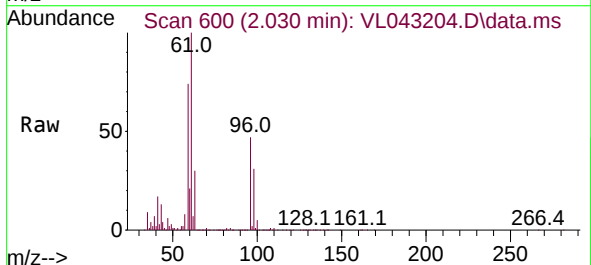
Tgt Ion: 59 Resp: 179203
Ion Ratio Lower Upper
59 100
57 11.2 9.0 13.4

Manual Integrations
APPROVED

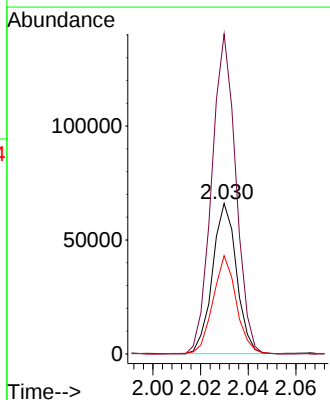
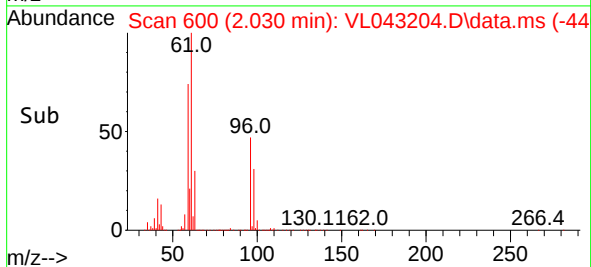
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

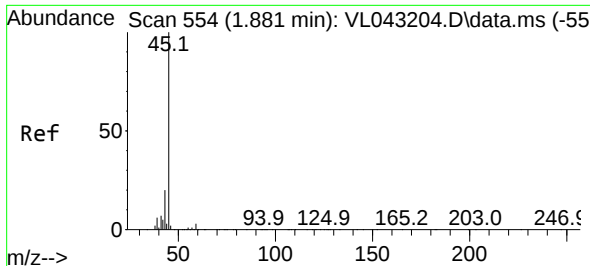


#18
1,1-Dichloroethene
Concen: 8.871 ppbv
RT: 2.030 min Scan# 600
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02



Tgt Ion: 96 Resp: 46313
Ion Ratio Lower Upper
96 100
61 213.2 170.6 255.8
98 65.3 52.2 78.4





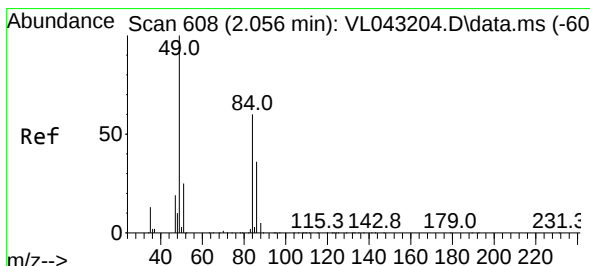
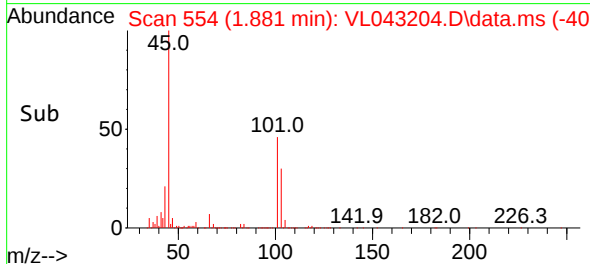
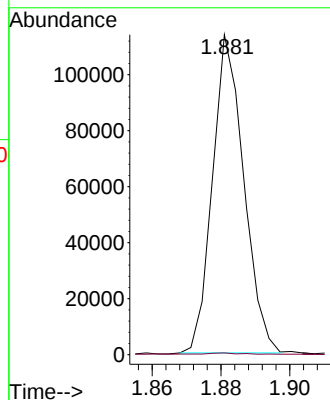
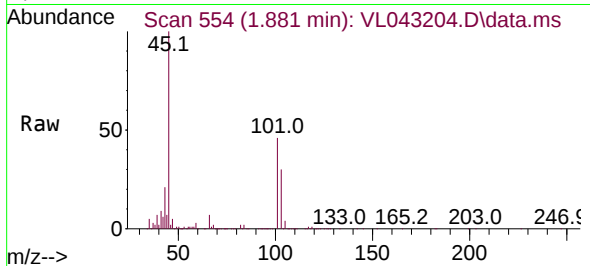
#19
Isopropyl Alcohol
Concen: 8.710 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 71862
Ion Ratio Lower Upper
45 100
58 39.1 31.3 46.9

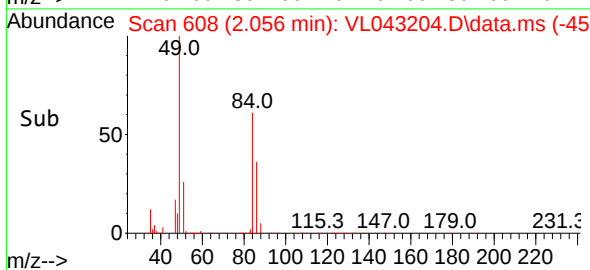
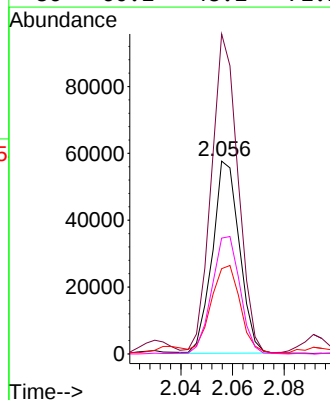
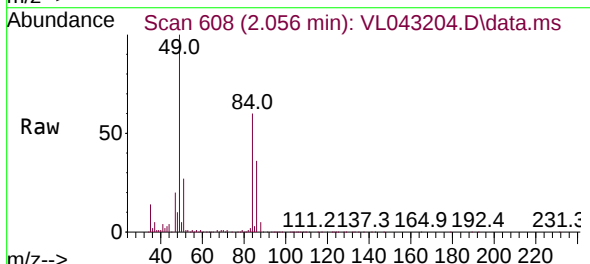
Manual Integrations
APPROVED

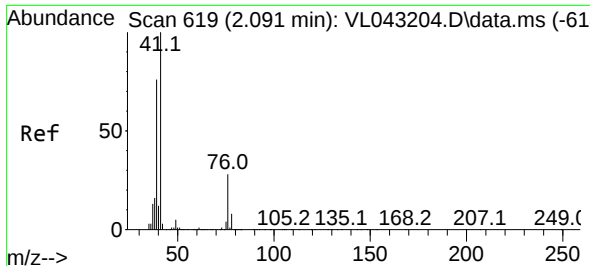
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#20
Methylene Chloride
Concen: 9.708 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

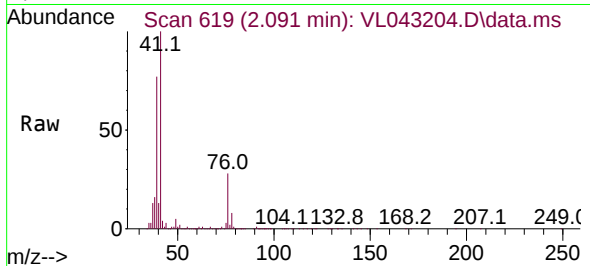
Tgt Ion: 84 Resp: 41868
Ion Ratio Lower Upper
84 100
49 166.1 132.9 199.3
51 43.5 34.8 52.2
86 60.2 48.2 72.2





#21
 Allyl Chloride
 Concen: 9.087 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

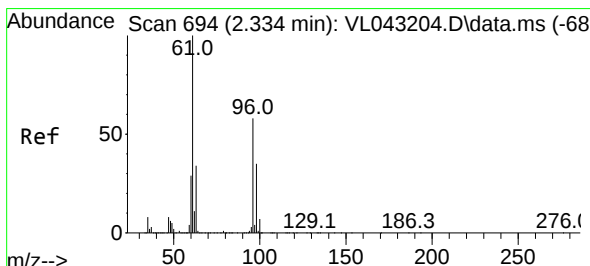
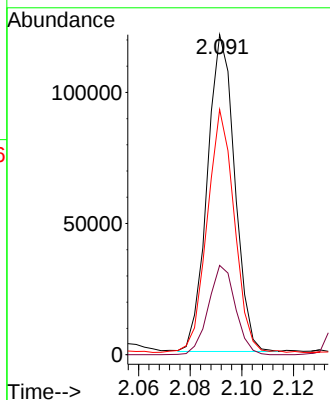
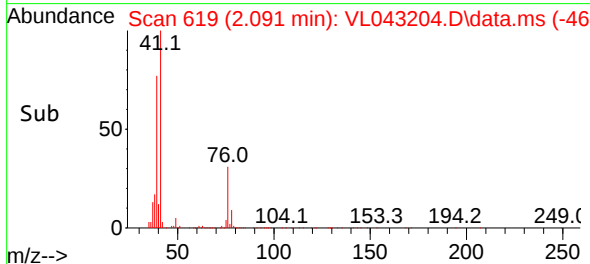
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



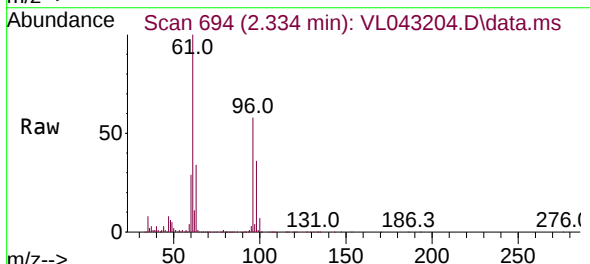
Tgt Ion: 41 Resp: 89266
 Ion Ratio Lower Upper
 41 100
 76 27.6 22.1 33.1
 39 76.2 61.0 91.4

Manual Integrations
 APPROVED

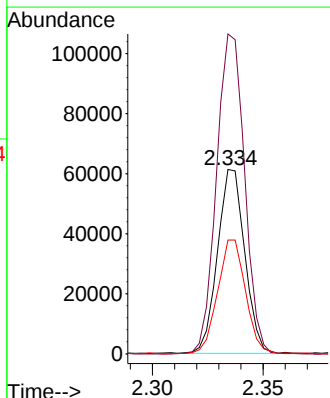
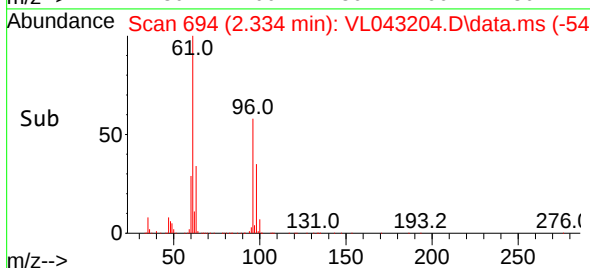
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

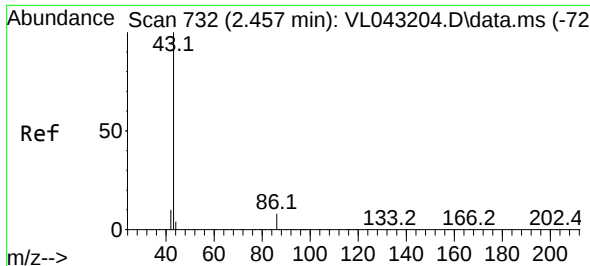


#22
 trans-1,2-Dichloroethene
 Concen: 8.793 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02



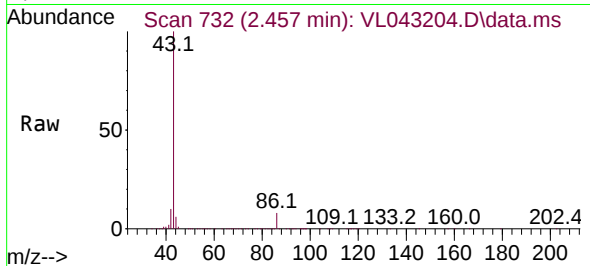
Tgt Ion: 96 Resp: 52470
 Ion Ratio Lower Upper
 96 100
 61 173.8 139.0 208.6
 98 61.8 49.4 74.2





#23
 Vinyl Acetate
 Concen: 9.670 ppbv
 RT: 2.457 min Scan# 732
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

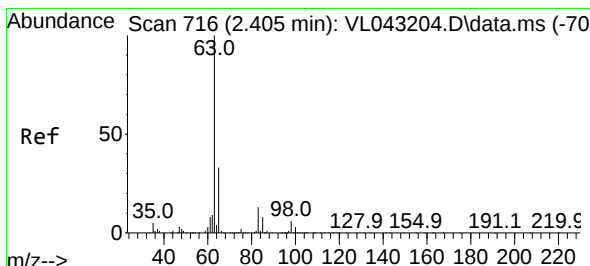
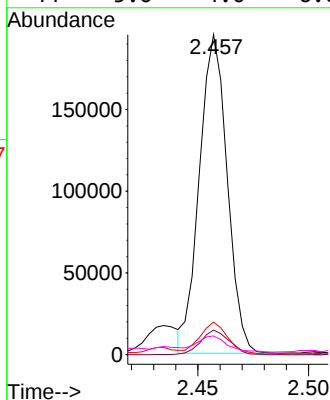
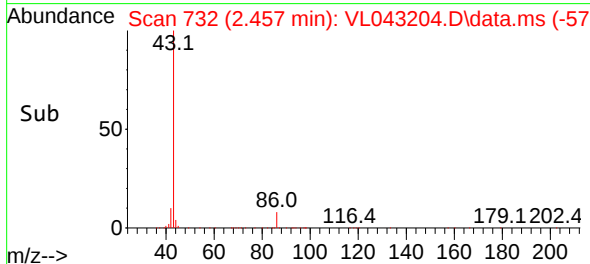
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDICCC010



Tgt Ion: 43 Resp: 170459
 Ion Ratio Lower Upper
 43 100
 86 7.7 6.2 9.2
 42 10.0 8.0 12.0
 44 5.0 4.0 6.0

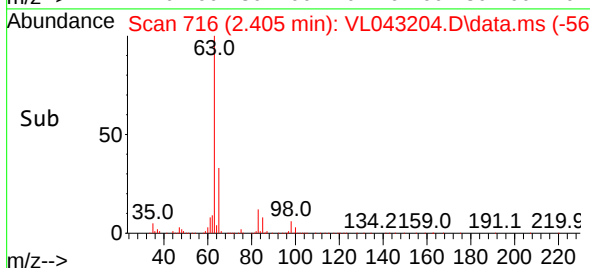
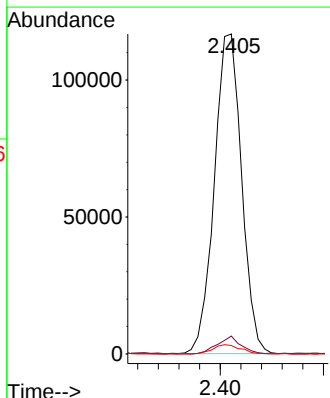
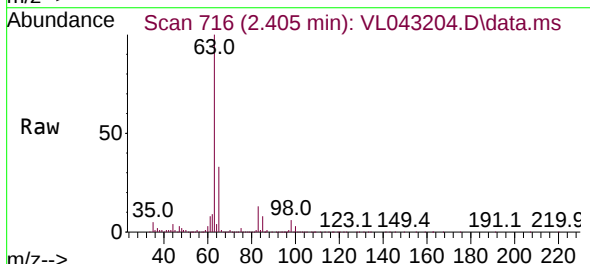
Manual Integrations
 APPROVED

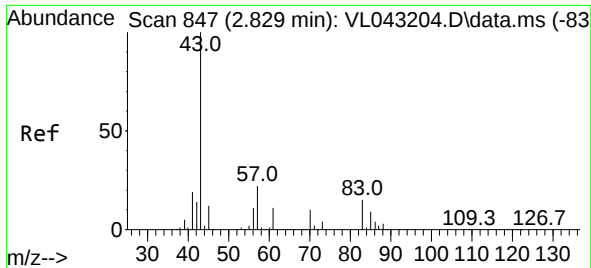
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#24
 1,1-Dichloroethane
 Concen: 9.287 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

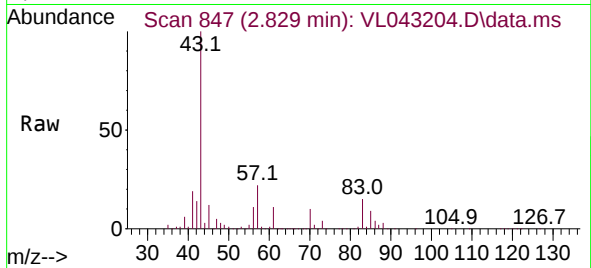
Tgt Ion: 63 Resp: 106970
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.4
 100 2.6 1.3 3.9





#25
Ethyl Acetate
Concen: 9.190 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

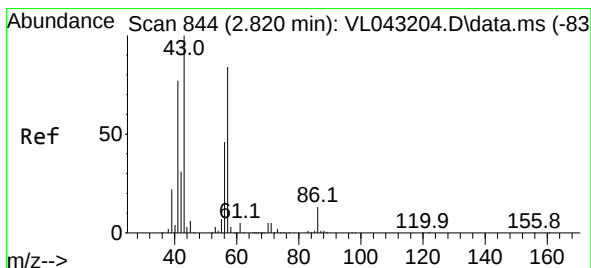
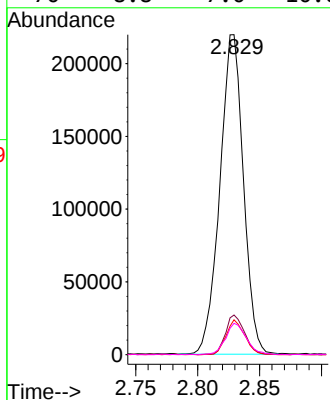
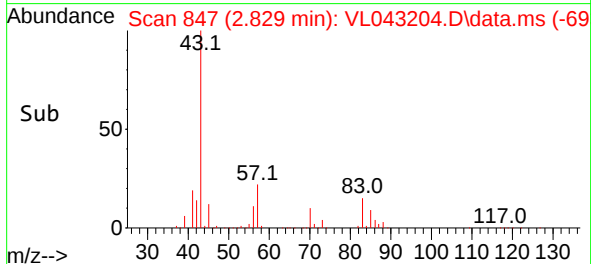
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



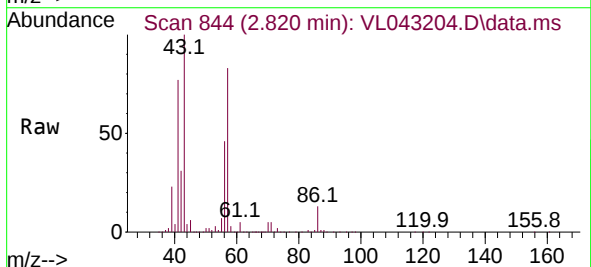
Tgt Ion: 43 Resp: 289921
Ion Ratio Lower Upper
43 100
45 10.1 8.1 12.1
61 8.7 7.0 10.4
70 8.8 7.0 10.6

Manual Integrations
APPROVED

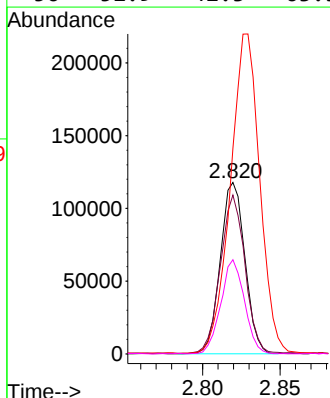
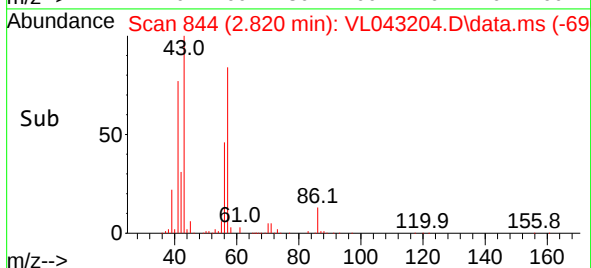
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

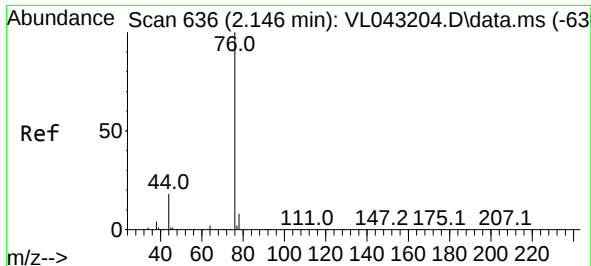


#26
Hexane
Concen: 9.402 ppbv
RT: 2.820 min Scan# 844
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02



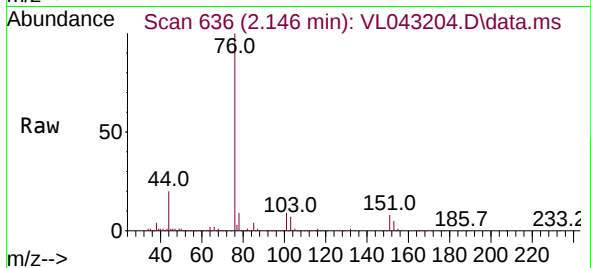
Tgt Ion: 57 Resp: 129809
Ion Ratio Lower Upper
57 100
41 93.2 74.6 111.8
43 223.7 179.0 268.4
56 52.9 42.3 63.5





#27
Carbon Disulfide
Concen: 9.371 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

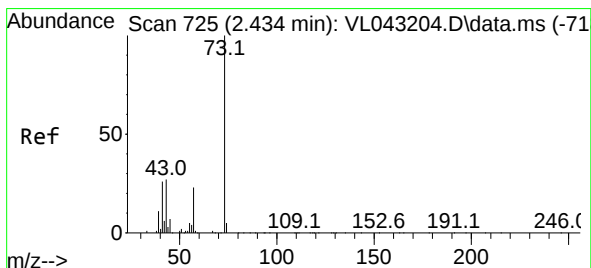
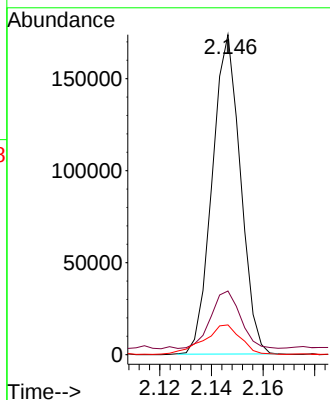
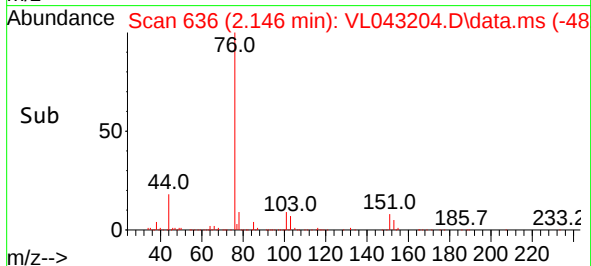
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 76 Resp: 132086
Ion Ratio Lower Upper
76 100
44 20.1 16.1 24.1
78 12.0 9.6 14.4

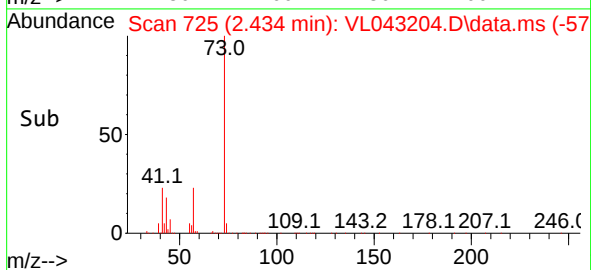
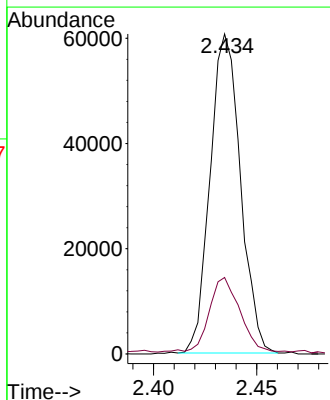
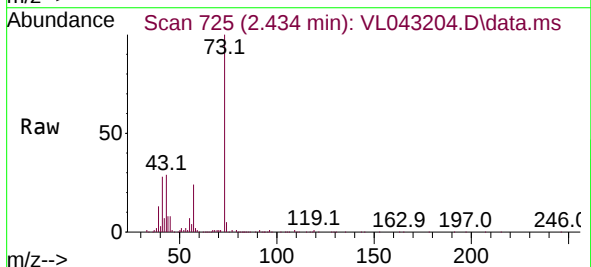
Manual Integrations
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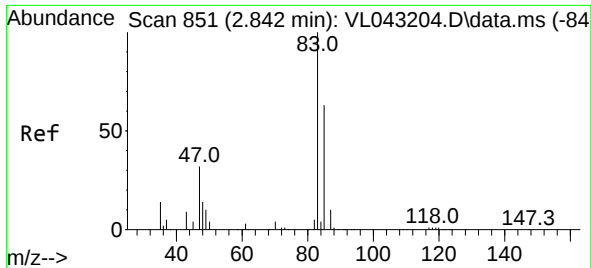
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#28
Methyl tert-Butyl Ether
Concen: 9.165 ppbv
RT: 2.434 min Scan# 725
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 73 Resp: 62115
Ion Ratio Lower Upper
73 100
57 24.8 19.8 29.8





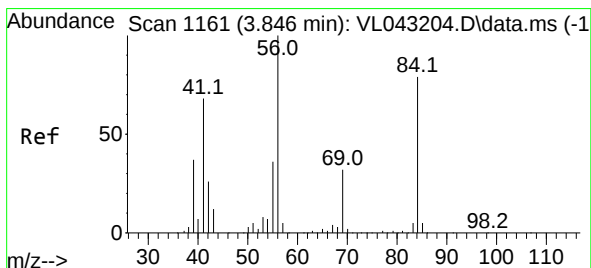
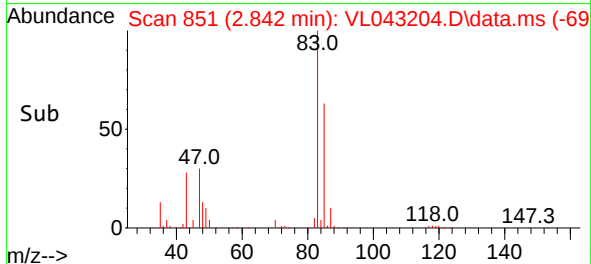
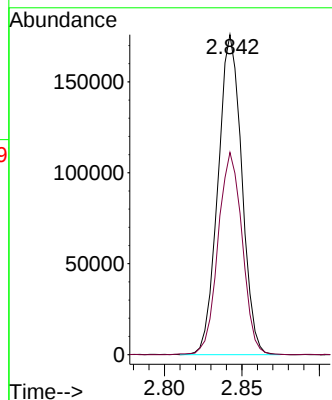
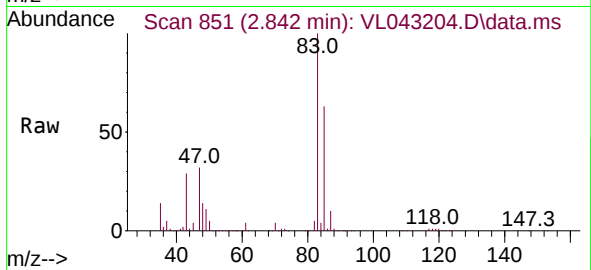
#29
Chloroform
Concen: 9.561 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 187620
Ion Ratio Lower Upper
83 100
85 63.1 50.5 75.7

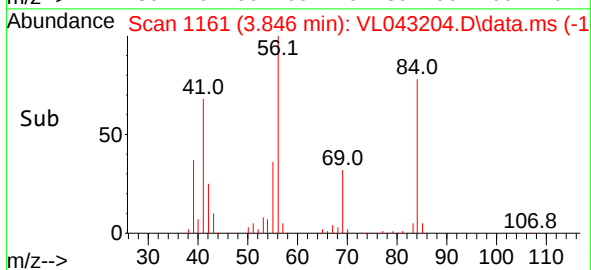
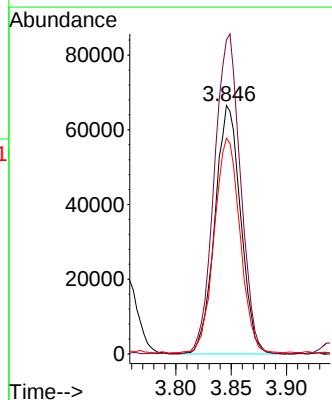
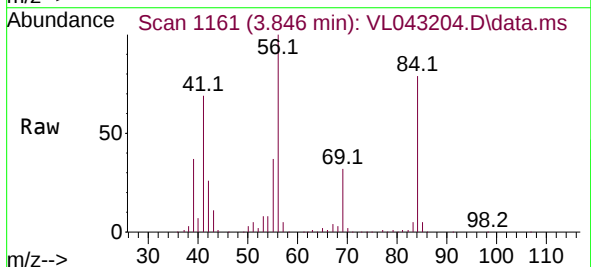
Manual Integrations
APPROVED

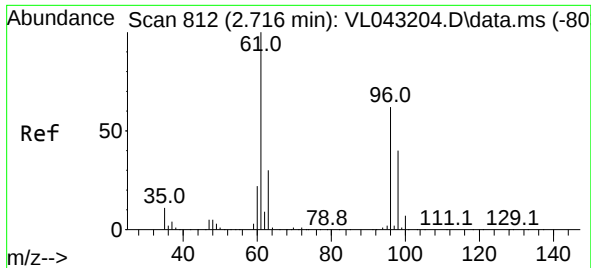
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#30
Cyclohexane
Concen: 9.297 ppbv
RT: 3.846 min Scan# 1161
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

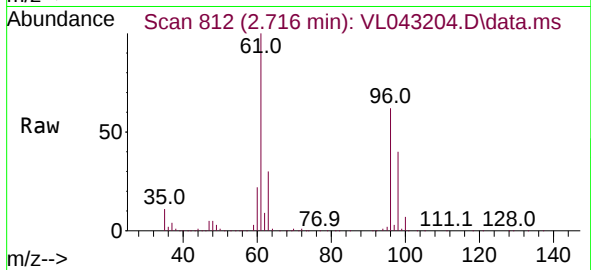
Tgt Ion: 84 Resp: 107621
Ion Ratio Lower Upper
84 100
56 130.9 104.7 157.1
41 86.3 69.0 103.6





#31
 cis-1,2-Dichloroethene
 Concen: 9.499 ppbv
 RT: 2.716 min Scan# 812
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

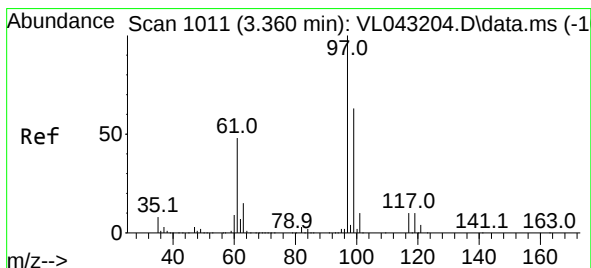
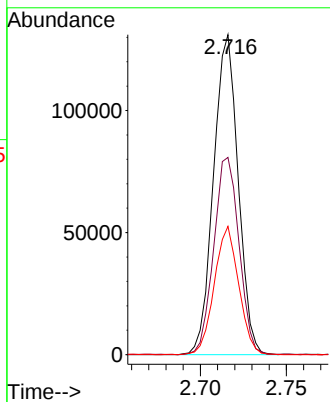
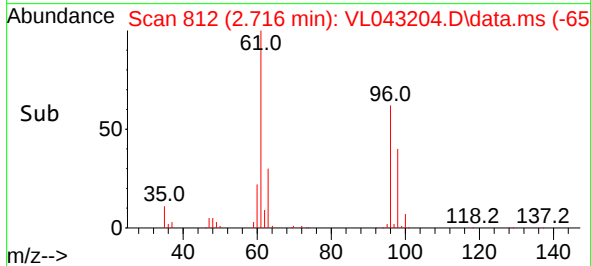
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



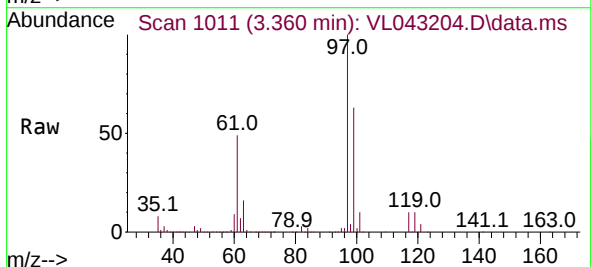
Tgt Ion: 61 Resp: 130352
 Ion Ratio Lower Upper
 61 100
 96 61.6 49.3 73.9
 98 40.1 32.1 48.1

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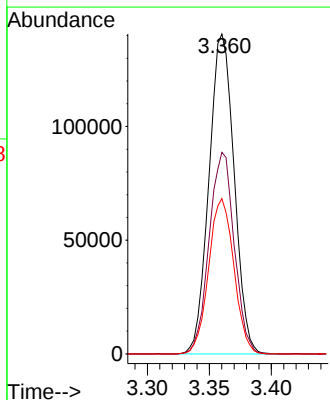
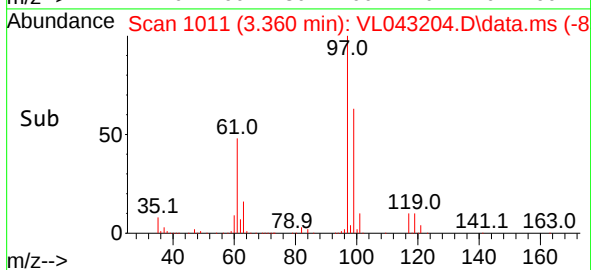
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

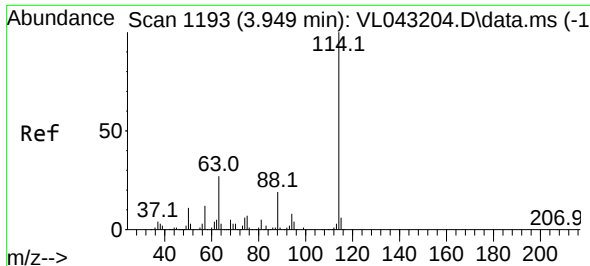


#32
 1,1,1-Trichloroethane
 Concen: 9.381 ppbv
 RT: 3.360 min Scan# 1011
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02



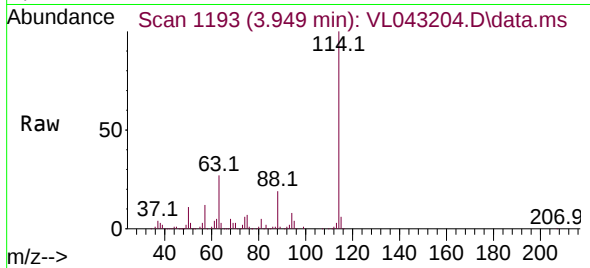
Tgt Ion: 97 Resp: 198036
 Ion Ratio Lower Upper
 97 100
 99 62.9 50.3 75.5
 61 48.6 38.9 58.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

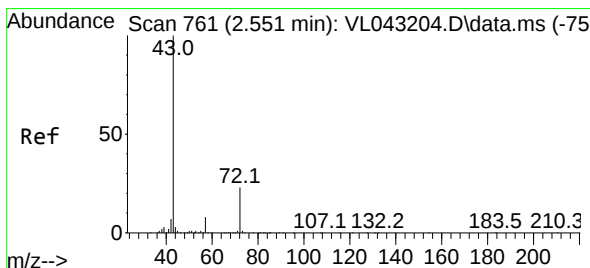
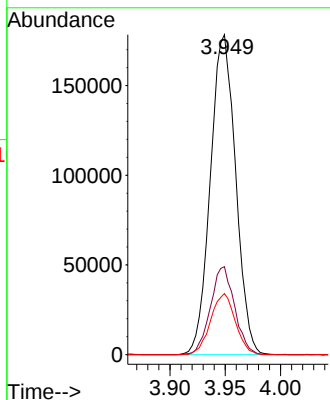
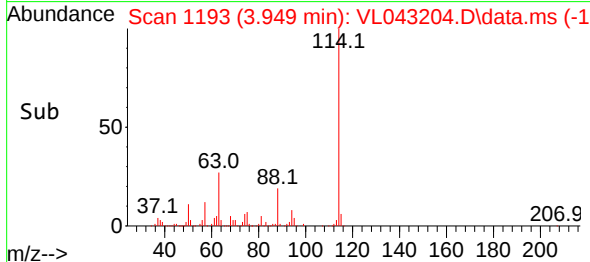
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion:114 Resp: 283836
Ion Ratio Lower Upper
114 100
63 26.3 21.0 31.6
88 18.6 14.9 22.3

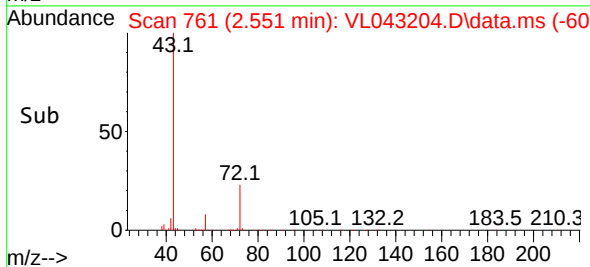
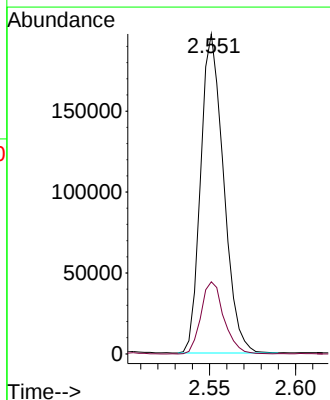
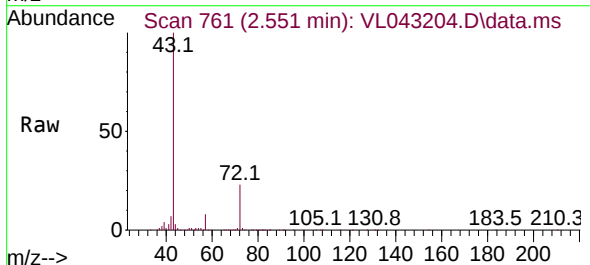
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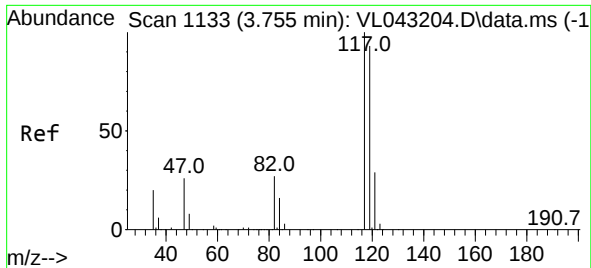
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#34
2-Butanone
Concen: 9.121 ppbv
RT: 2.551 min Scan# 761
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

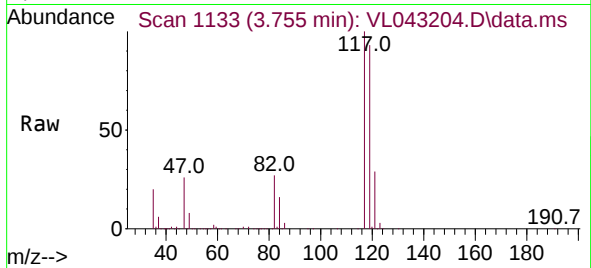
Tgt Ion: 43 Resp: 182749
Ion Ratio Lower Upper
43 100
72 22.6 18.1 27.1





#35
Carbon Tetrachloride
Concen: 9.322 ppbv
RT: 3.755 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

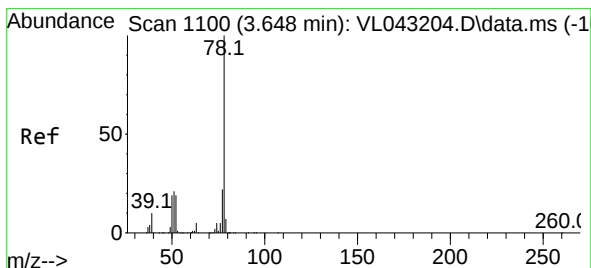
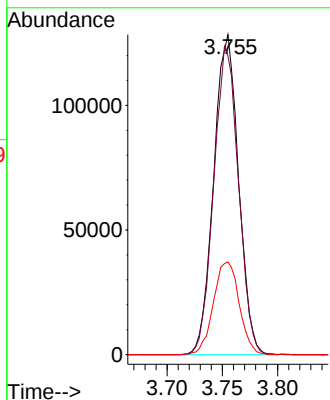
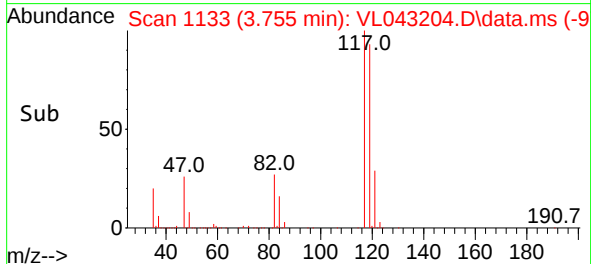
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



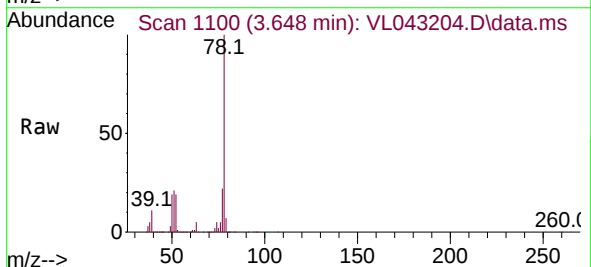
Tgt Ion: 117 Resp: 200831
Ion Ratio Lower Upper
117 100
119 93.3 74.6 112.0
121 29.0 23.2 34.8

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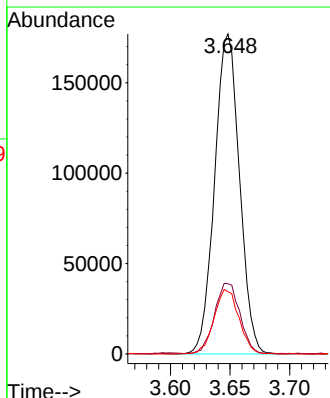
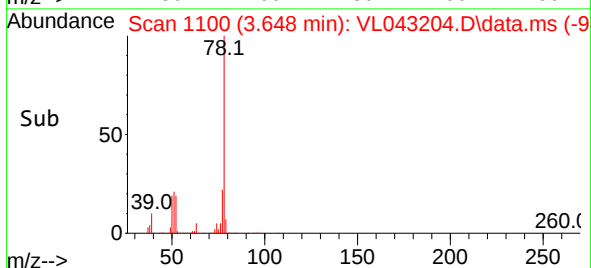
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

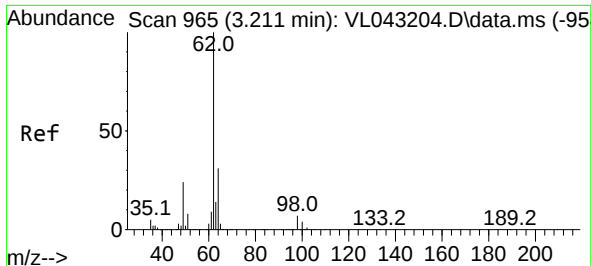


#36
Benzene
Concen: 9.453 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02



Tgt Ion: 78 Resp: 256954
Ion Ratio Lower Upper
78 100
77 21.9 17.5 26.3
50 19.4 15.5 23.3





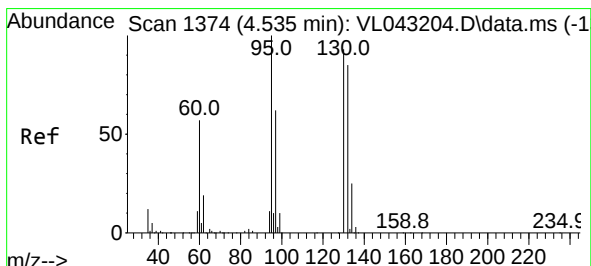
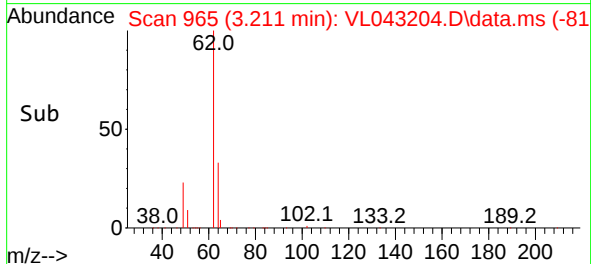
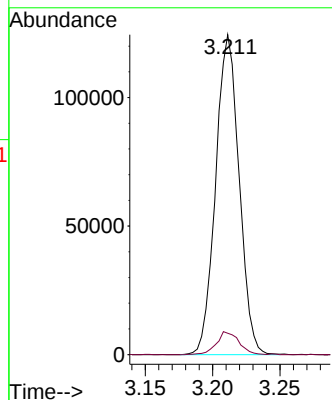
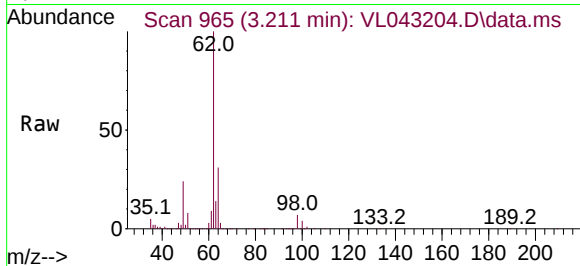
#37
1,2-Dichloroethane
Concen: 9.483 ppbv
RT: 3.211 min Scan# 965
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 150769
Ion Ratio Lower Upper
62 100
98 6.9 5.5 8.3

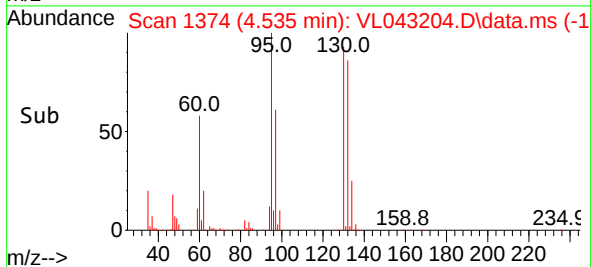
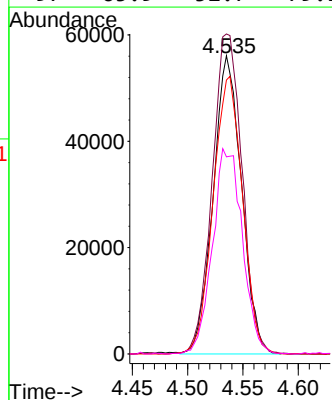
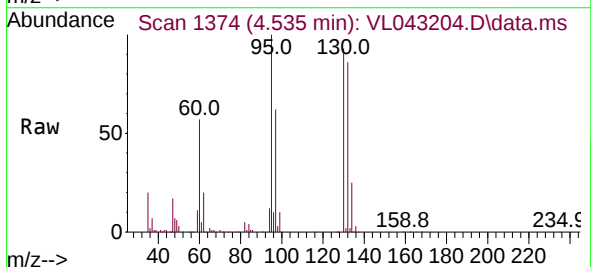
Manual Integrations
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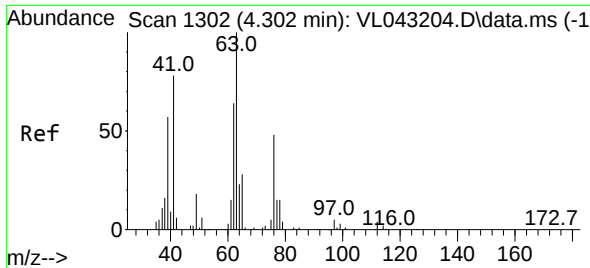
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#38
Trichloroethene
Concen: 9.398 ppbv
RT: 4.535 min Scan# 1374
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

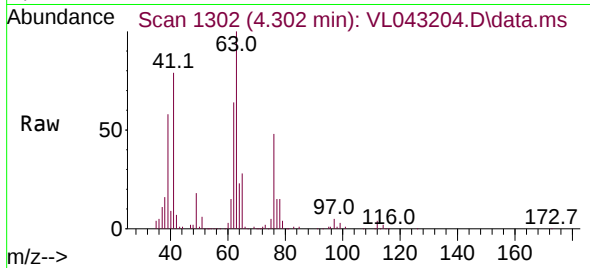
Tgt Ion:130 Resp: 100136
Ion Ratio Lower Upper
130 100
95 107.1 85.7 128.5
132 91.7 73.4 110.0
97 65.9 52.7 79.1





#39
 1,2-Dichloropropane
 Concen: 9.559 ppbv
 RT: 4.302 min Scan# 1302
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

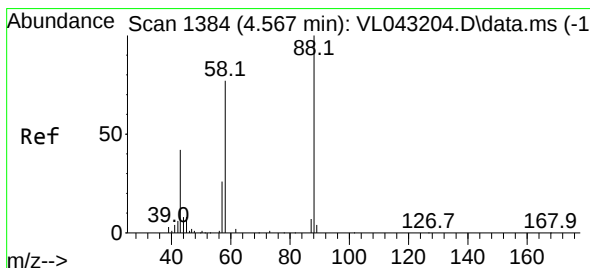
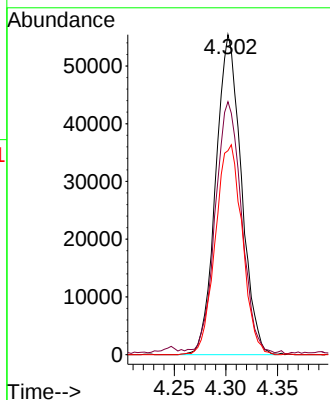
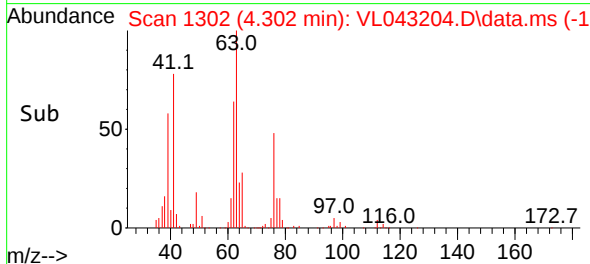
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tgt Ion: 63 Resp: 95092
 Ion Ratio Lower Upper
 63 100
 41 78.2 62.6 93.8
 62 63.8 51.0 76.6

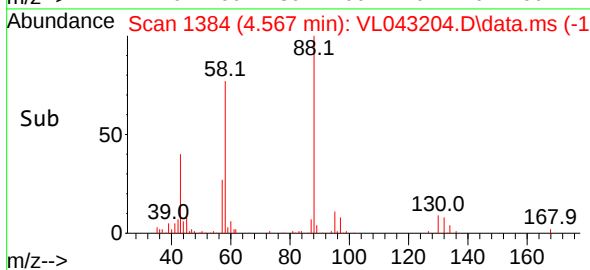
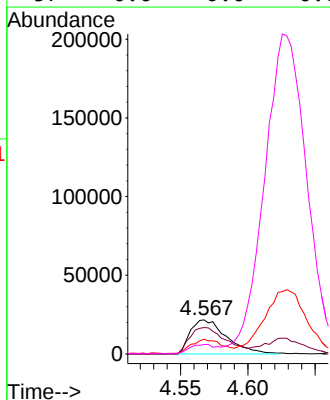
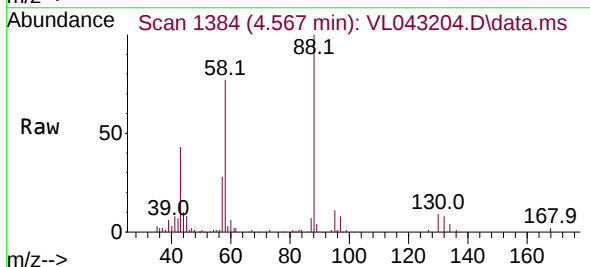
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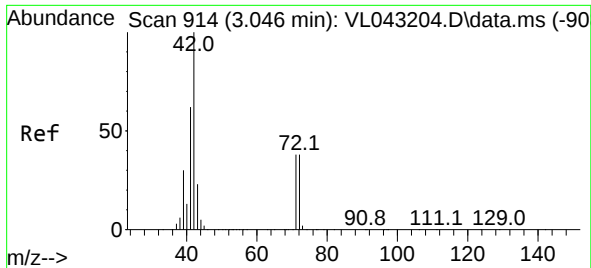
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#40
 1,4-Dioxane
 Concen: 9.043 ppbv
 RT: 4.567 min Scan# 1384
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

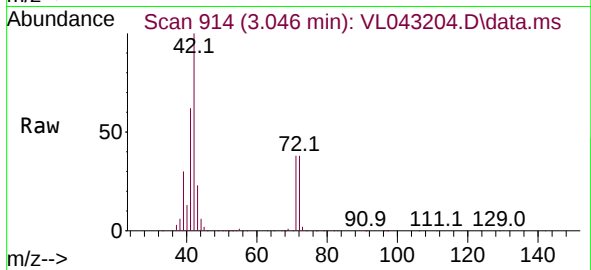
Tgt Ion: 88 Resp: 40441
 Ion Ratio Lower Upper
 88 100
 58 78.8 63.0 94.6
 43 40.6 32.5 48.7
 57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 9.426 ppbv
RT: 3.046 min Scan# 914
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

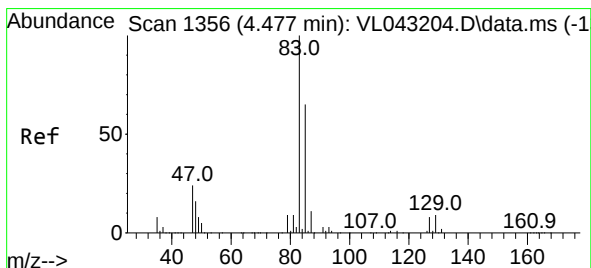
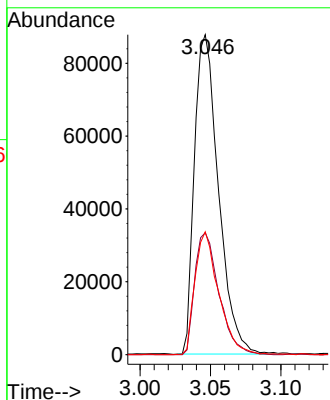
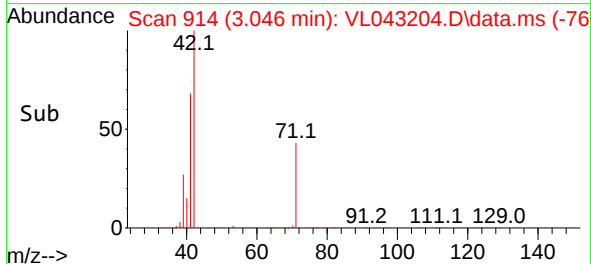
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



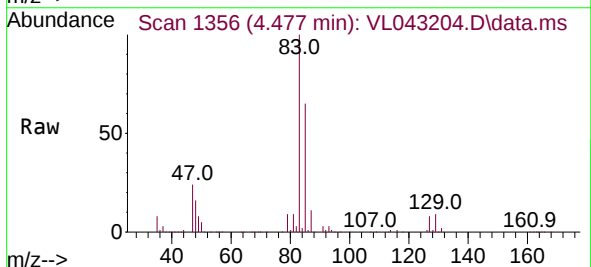
Tgt Ion: 42 Resp: 104294
Ion Ratio Lower Upper
42 100
72 38.3 30.6 46.0
71 38.1 30.5 45.7

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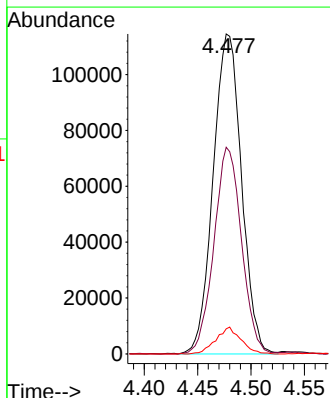
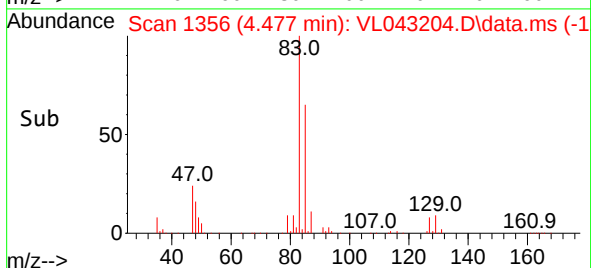
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

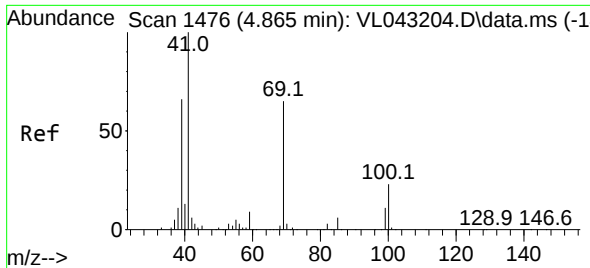


#42
Bromodichloromethane
Concen: 9.643 ppbv
RT: 4.477 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02



Tgt Ion: 83 Resp: 211504
Ion Ratio Lower Upper
83 100
85 64.6 51.7 77.5
127 7.9 6.3 9.5





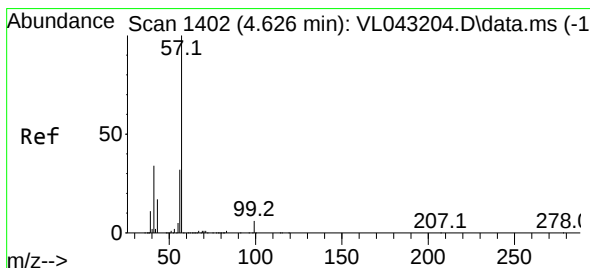
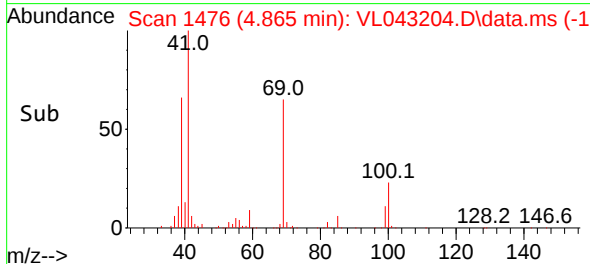
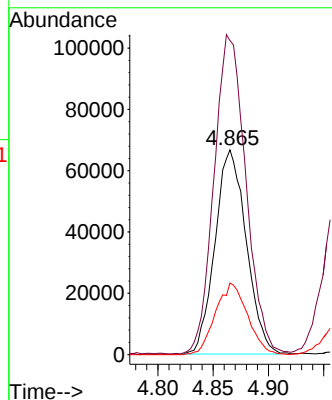
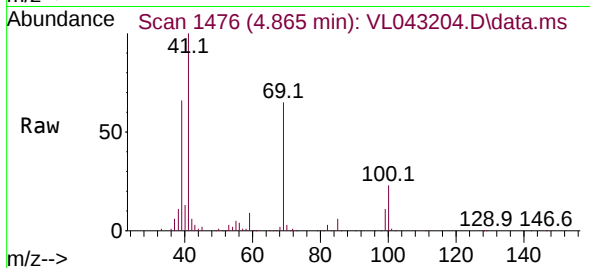
#43
Methyl Methacrylate
Concen: 9.080 ppbv
RT: 4.865 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 131003
Ion Ratio Lower Upper
69 100
41 158.4 126.7 190.1
100 35.8 28.6 43.0

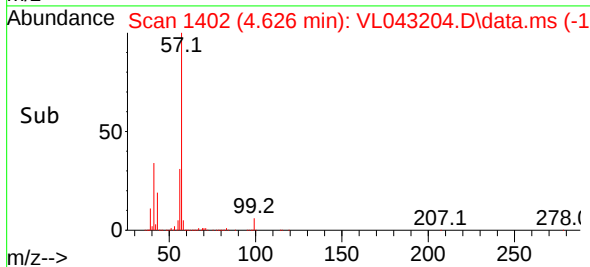
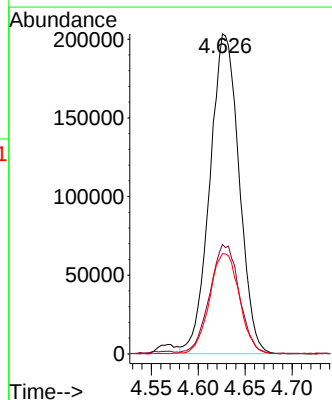
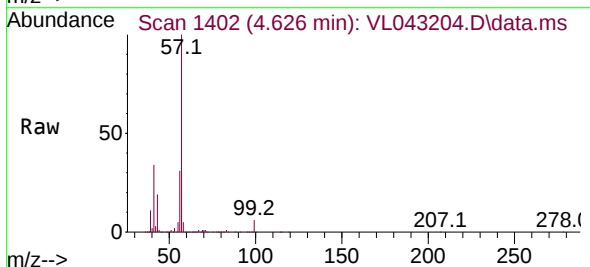
Manual Integrations
APPROVED

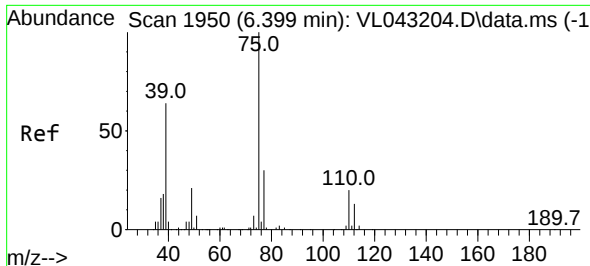
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#44
2,2,4-Trimethylpentane
Concen: 9.451 ppbv
RT: 4.626 min Scan# 1402
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 57 Resp: 441234
Ion Ratio Lower Upper
57 100
41 35.0 28.0 42.0
56 32.0 25.6 38.4





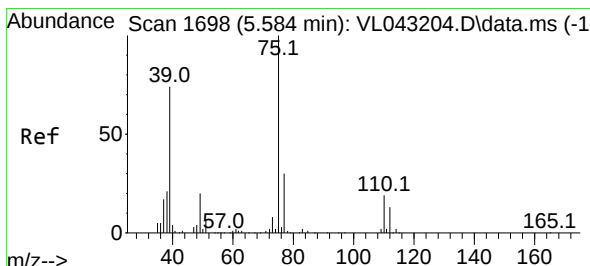
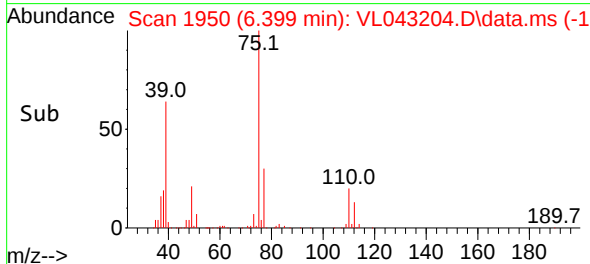
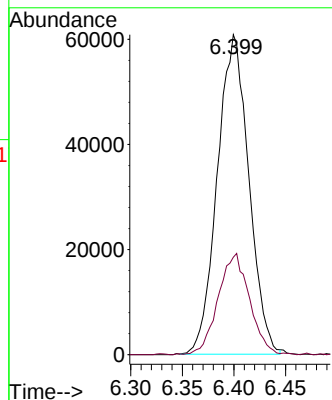
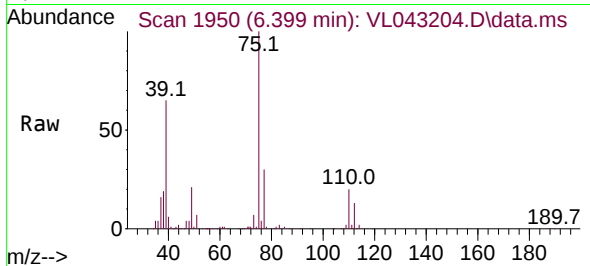
#45
 t-1,3-Dichloropropene
 Concen: 9.601 ppbv
 RT: 6.399 min Scan# 1950
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 75 Resp: 129122
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.3 36.5

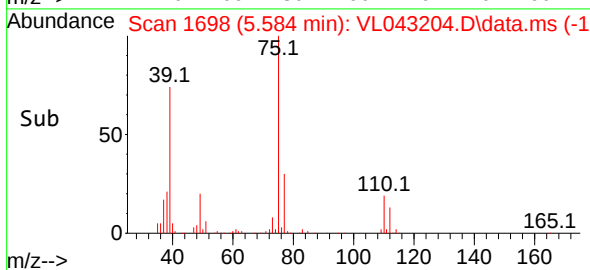
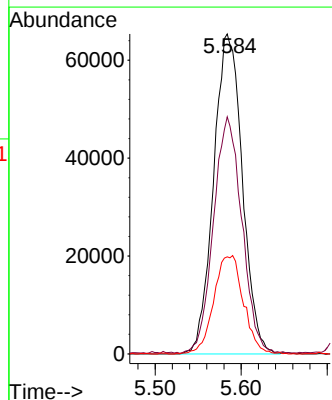
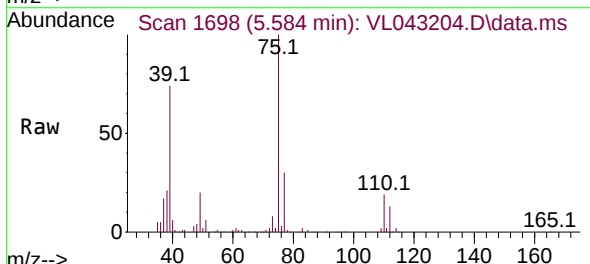
Manual Integrations
 APPROVED

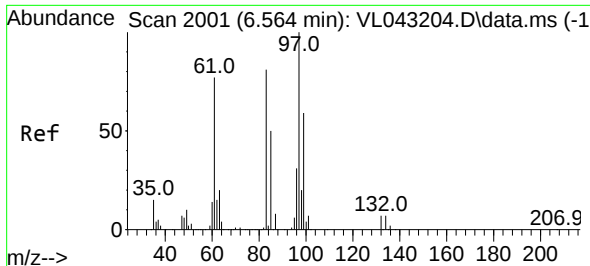
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#46
 cis-1,3-Dichloropropene
 Concen: 9.603 ppbv
 RT: 5.584 min Scan# 1698
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

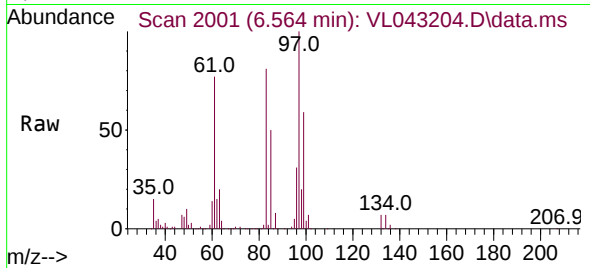
Tgt Ion: 75 Resp: 151655
 Ion Ratio Lower Upper
 75 100
 39 73.9 59.1 88.7
 77 30.2 24.2 36.2





#47
1,1,2-Trichloroethane
Concen: 9.193 ppbv
RT: 6.564 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

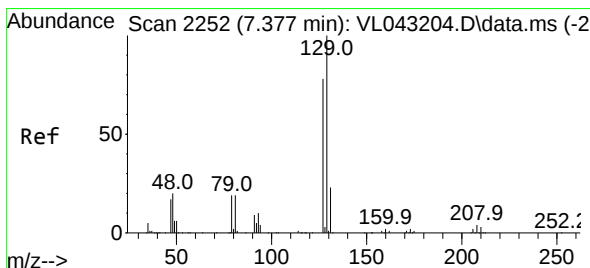
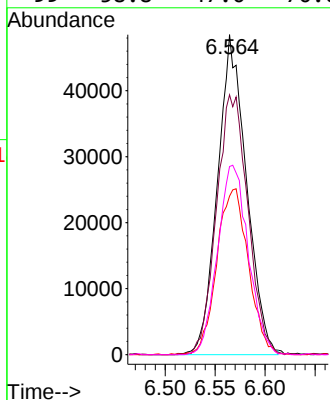
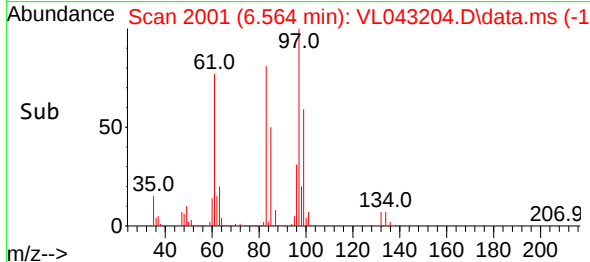
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.8	64.6	97.0
85	49.3	39.4	59.2
99	58.8	47.0	70.6

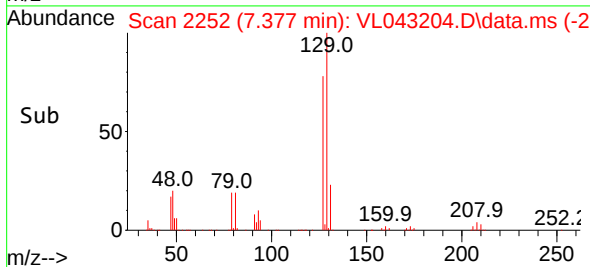
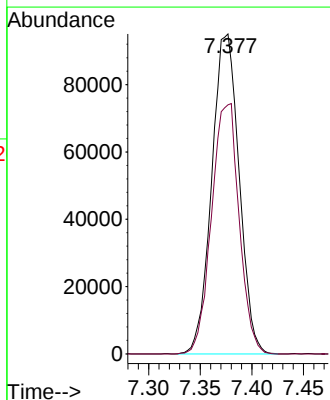
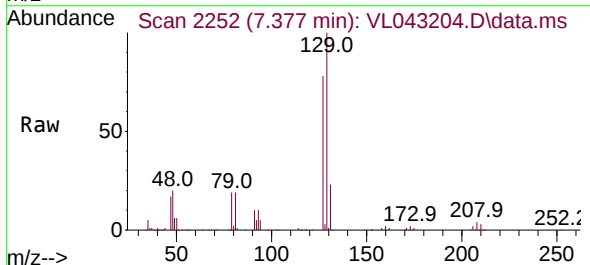
Manual Integrations
APPROVED

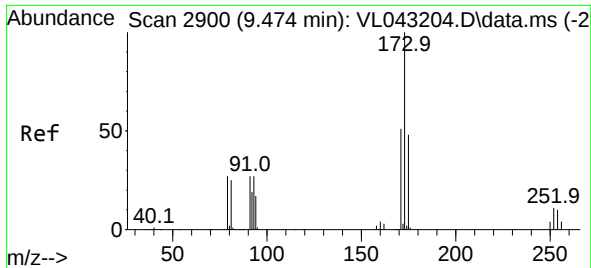
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#48
Dibromochloromethane
Concen: 9.670 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.9





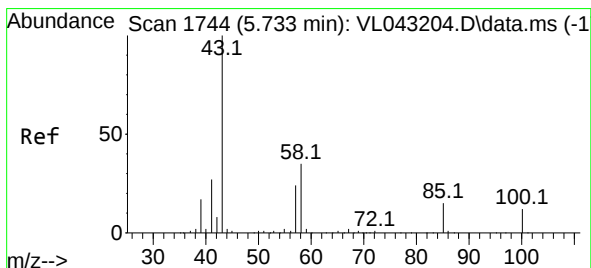
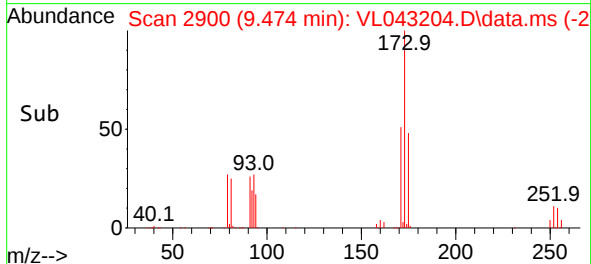
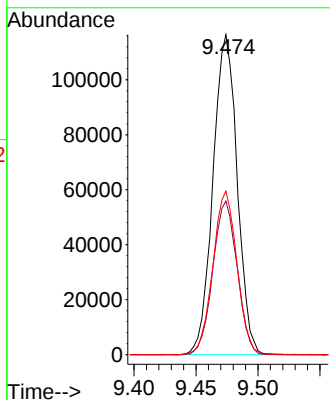
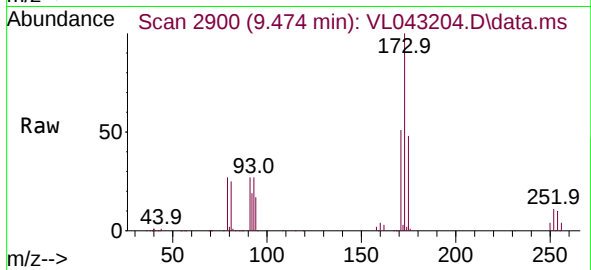
#49
Bromoform
Concen: 9.800 ppbv
RT: 9.474 min Scan# 2900
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 157563
Ion Ratio Lower Upper
173 100
175 48.3 38.6 58.0
171 50.8 40.6 61.0

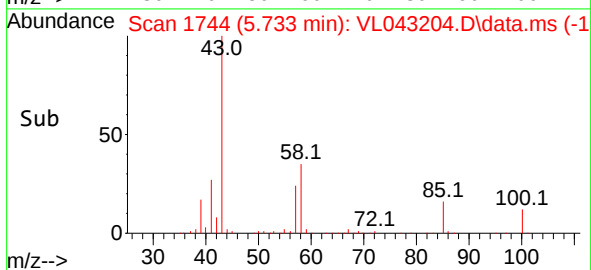
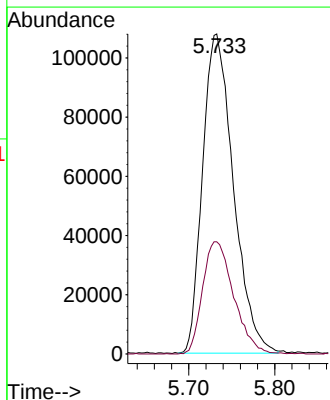
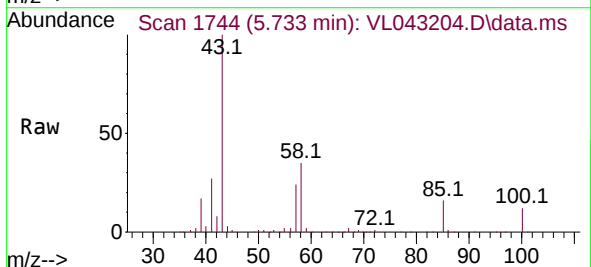
Manual Integrations
APPROVED

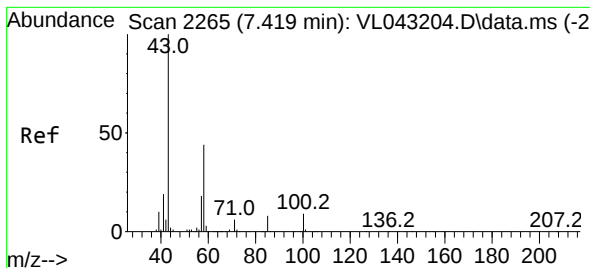
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#50
4-Methyl-2-Pentanone
Concen: 9.509 ppbv
RT: 5.733 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 43 Resp: 268369
Ion Ratio Lower Upper
43 100
58 35.5 28.4 42.6





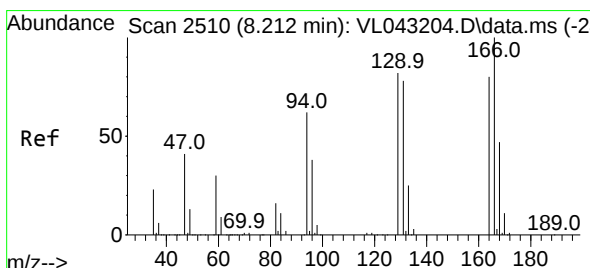
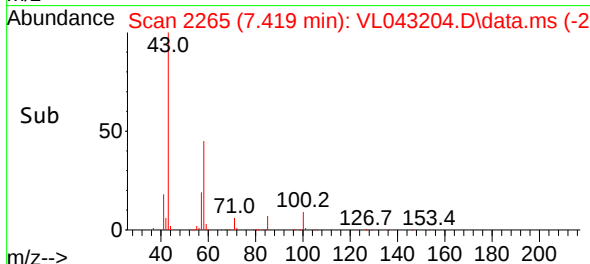
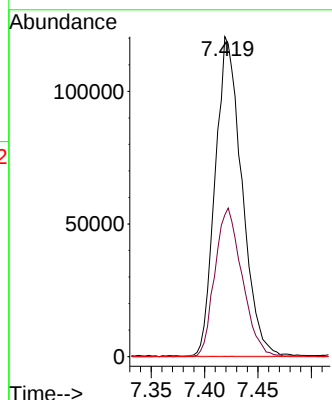
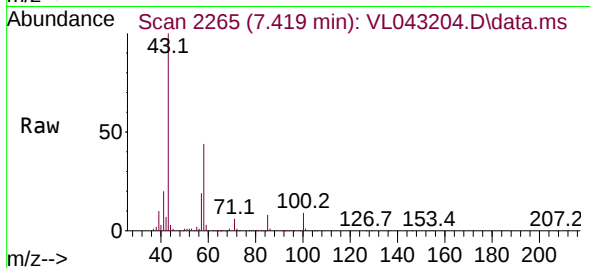
#51
2-Hexanone
Concen: 9.503 ppbv
RT: 7.419 min Scan# 2265
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 208268
Ion Ratio Lower Upper
43 100
58 48.0 38.4 57.6
98 0.0 0.0 0.0

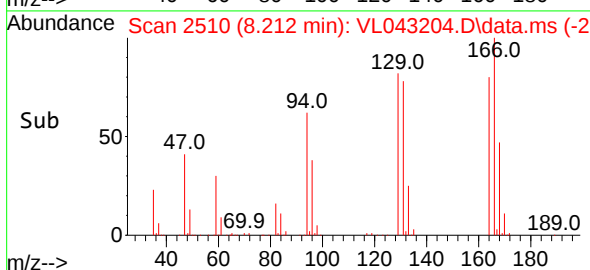
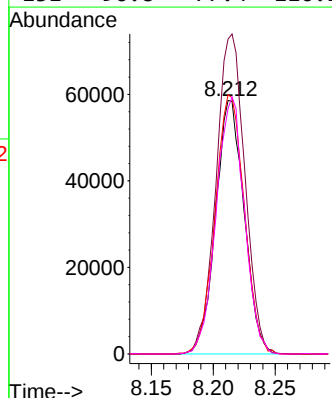
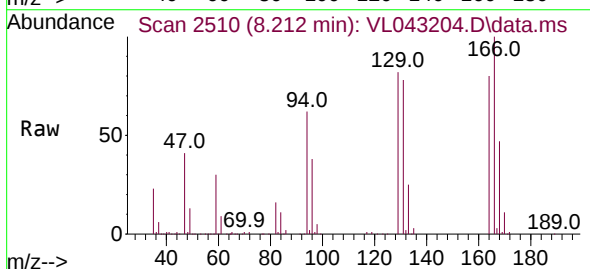
Manual Integrations
APPROVED

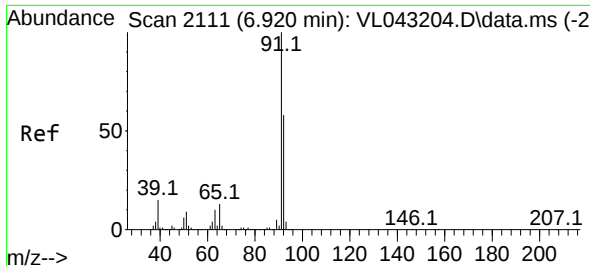
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#52
Tetrachloroethene
Concen: 9.249 ppbv
RT: 8.212 min Scan# 2510
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

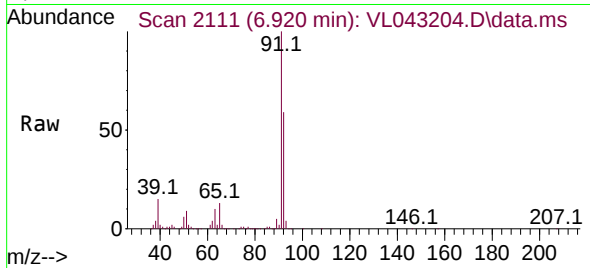
Tgt Ion:164 Resp: 93518
Ion Ratio Lower Upper
164 100
166 124.3 99.4 149.2
129 102.3 81.8 122.8
131 96.8 77.4 116.2





#53
Toluene
Concen: 9.422 ppbv
RT: 6.920 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

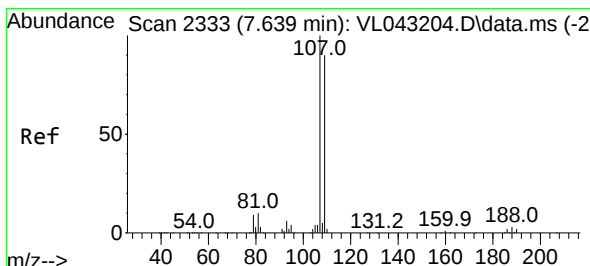
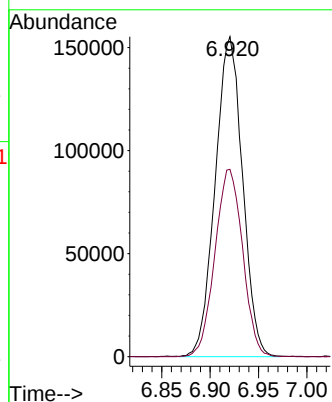
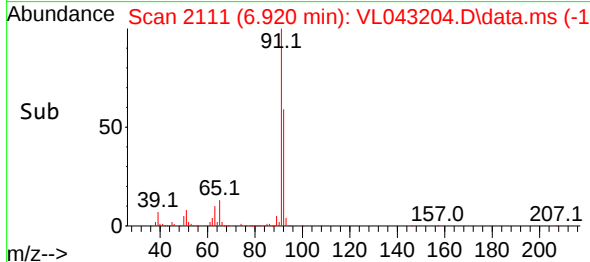
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



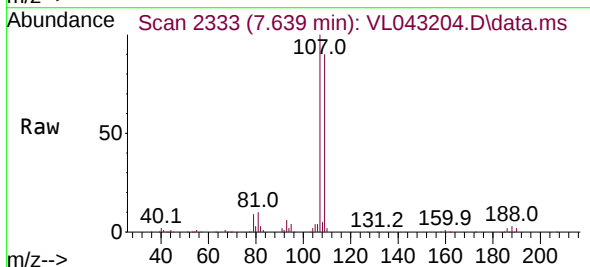
Tgt Ion: 91 Resp: 305169
Ion Ratio Lower Upper
91 100
92 59.2 47.4 71.0

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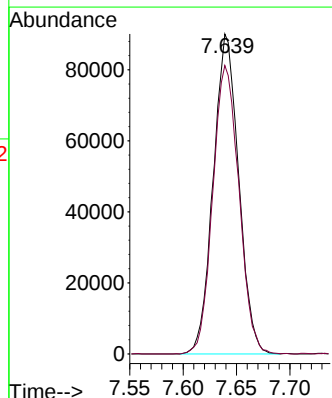
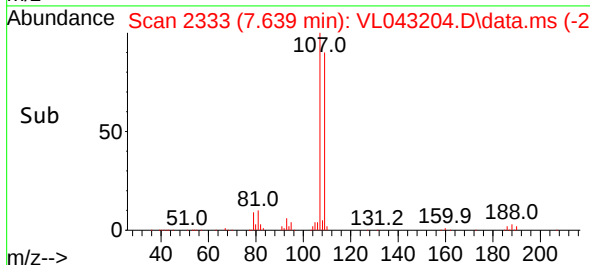
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

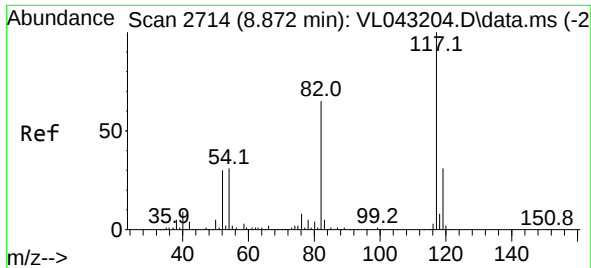


#54
1,2-Dibromoethane
Concen: 9.588 ppbv
RT: 7.639 min Scan# 2333
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02



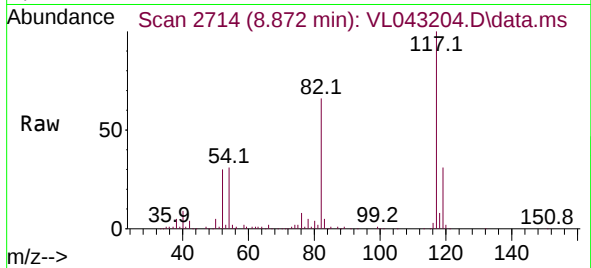
Tgt Ion:107 Resp: 148973
Ion Ratio Lower Upper
107 100
109 90.1 72.1 108.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

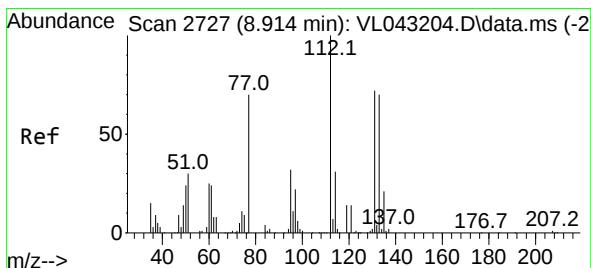
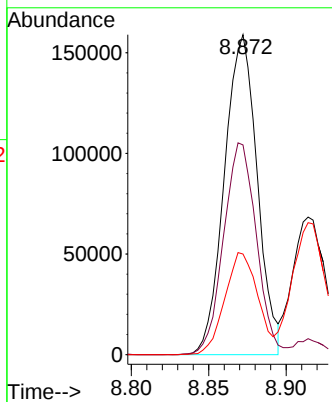
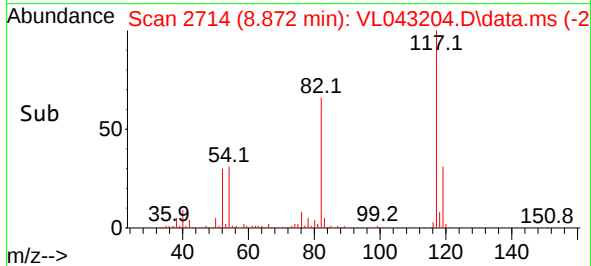
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion:117 Resp: 234772
Ion Ratio Lower Upper
117 100
82 70.1 56.1 84.1
119 31.3 25.0 37.6

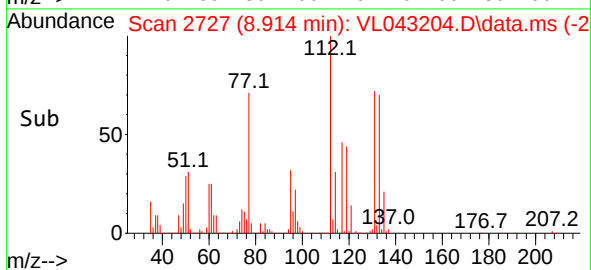
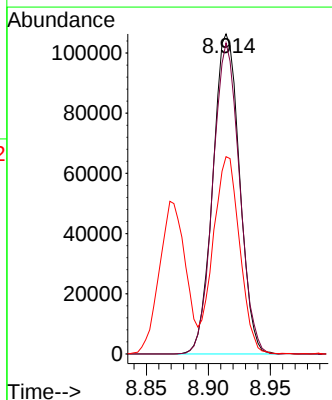
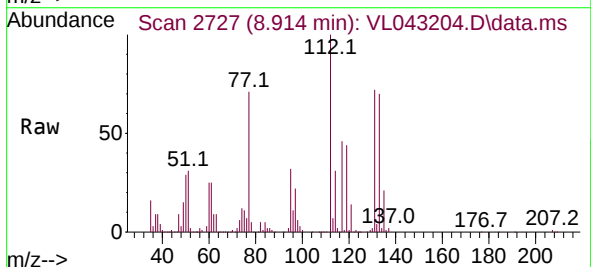
Manual Integrations
APPROVED

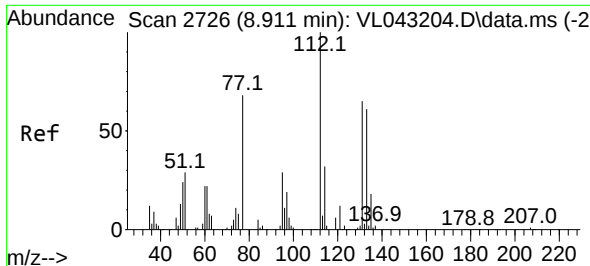
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 9.207 ppbv
RT: 8.914 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

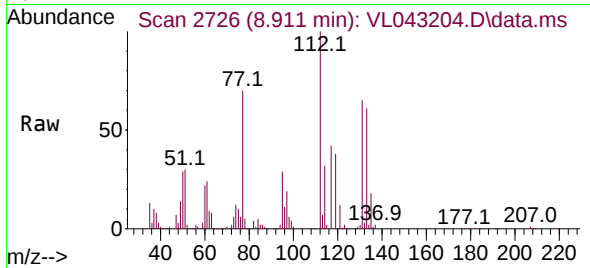
Tgt Ion:131 Resp: 158856
Ion Ratio Lower Upper
131 100
133 96.8 77.4 116.2
119 61.4 49.1 73.7





#57
Chlorobenzene
Concen: 9.438 ppbv
RT: 8.911 min Scan# 2726
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

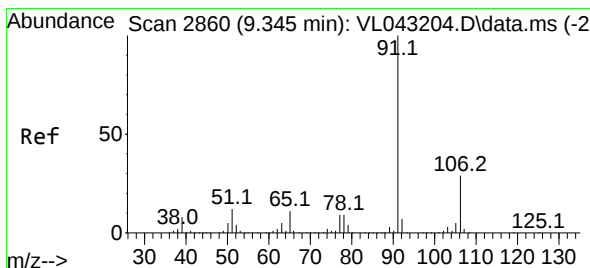
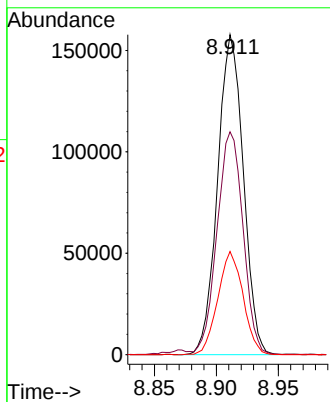
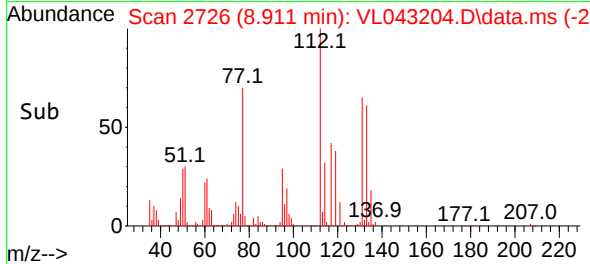
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion:112 Resp: 227490
Ion Ratio Lower Upper
112 100
77 69.4 55.5 83.3
114 32.3 29.1 35.5

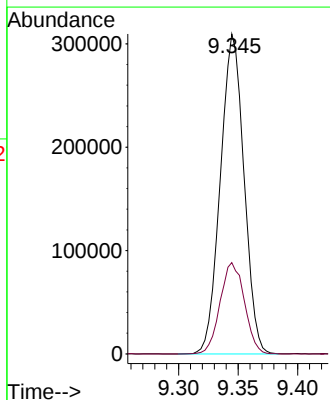
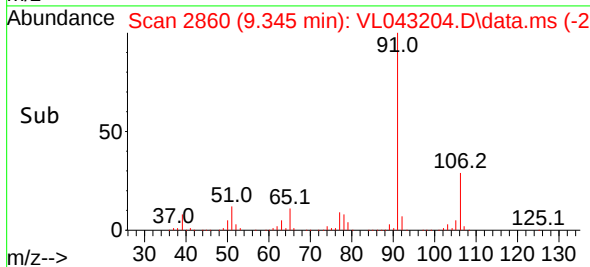
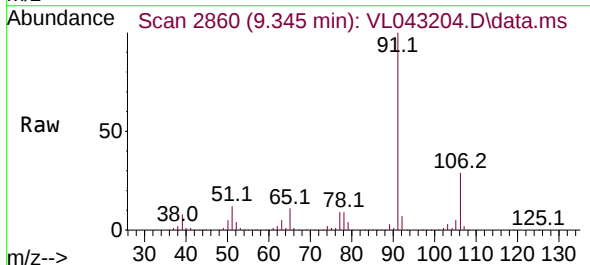
Manual Integrations
APPROVED

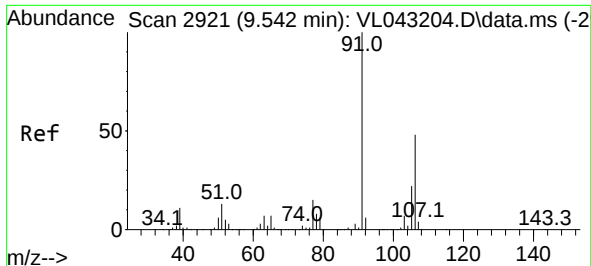
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#58
Ethyl Benzene
Concen: 9.461 ppbv
RT: 9.345 min Scan# 2860
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 91 Resp: 427530
Ion Ratio Lower Upper
91 100
106 28.5 22.8 34.2





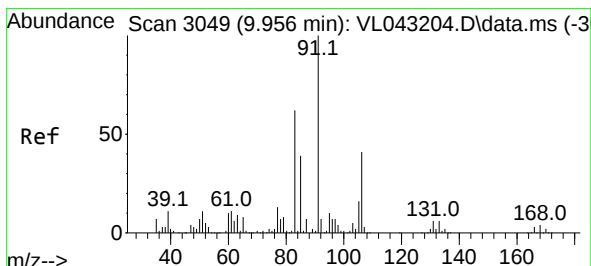
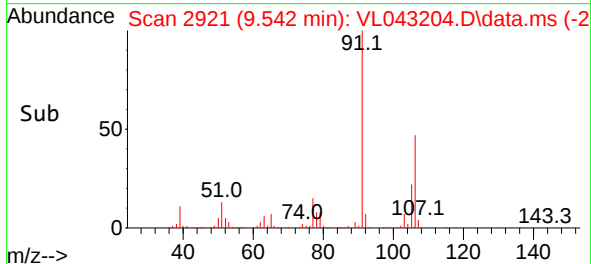
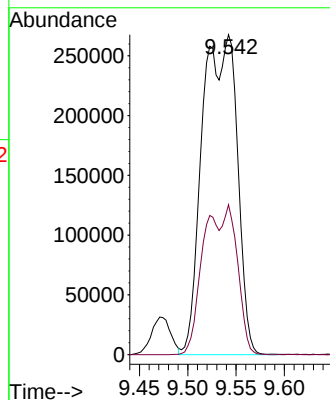
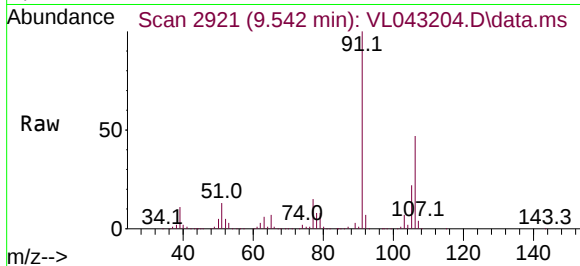
#59
m/p-Xylene
Concen: 18.519 ppbv m
RT: 9.542 min Scan# 2921
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 67337
Ion Ratio Lower Upper
91 100
106 45.1 36.1 54.1

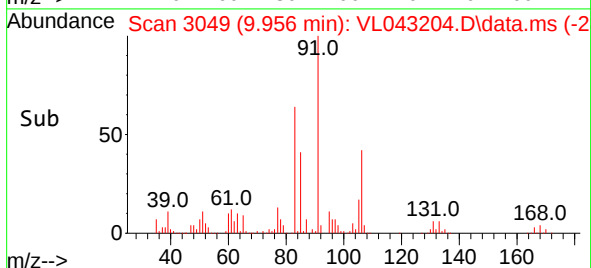
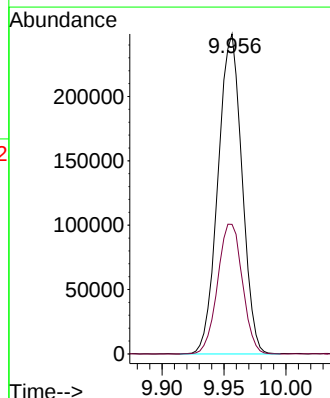
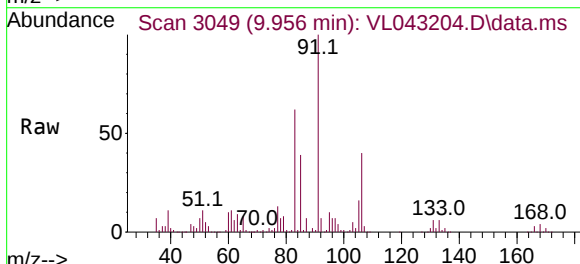
Manual Integrations
APPROVED

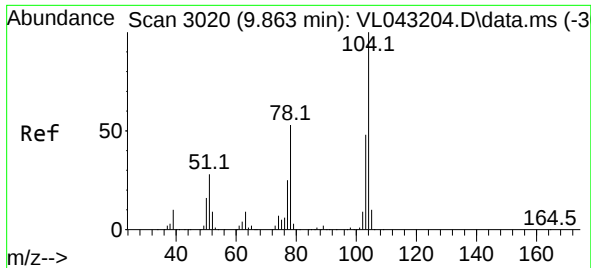
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#60
o-Xylene
Concen: 9.202 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 91 Resp: 333044
Ion Ratio Lower Upper
91 100
106 41.9 20.9 62.8





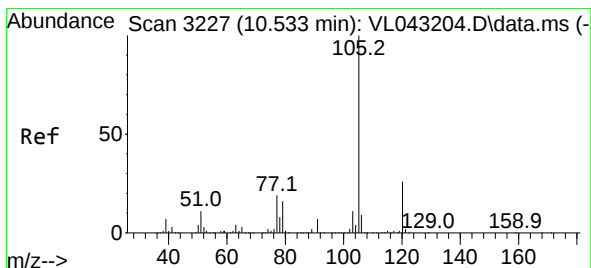
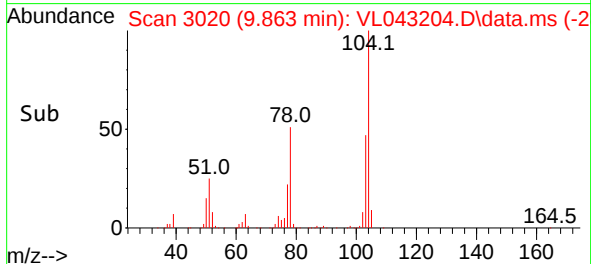
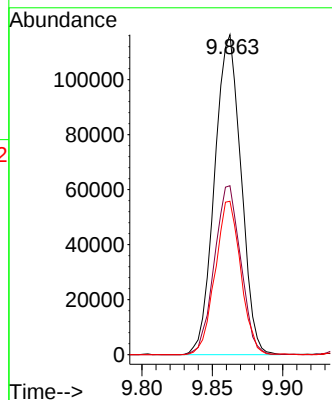
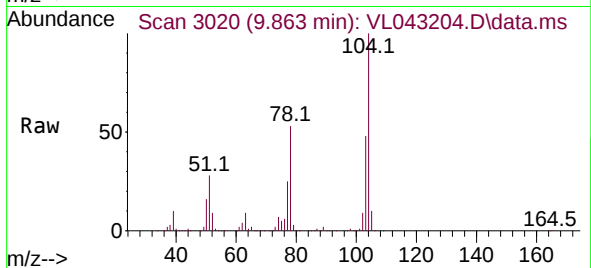
#61
Styrene
Concen: 9.607 ppbv
RT: 9.863 min Scan# 3020
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 152172
Ion Ratio Lower Upper
104 100
78 52.6 42.1 63.1
103 46.5 37.2 55.8

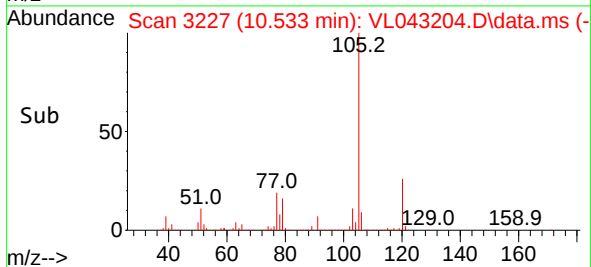
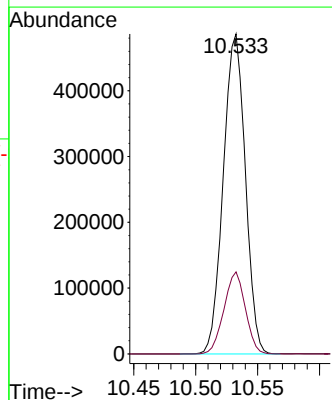
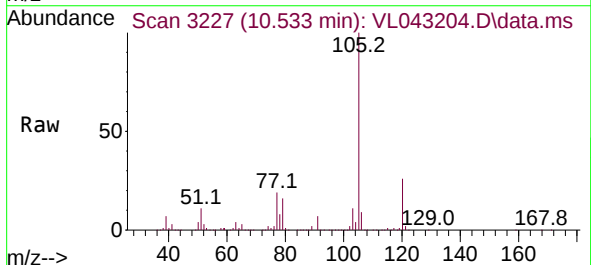
Manual Integrations
APPROVED

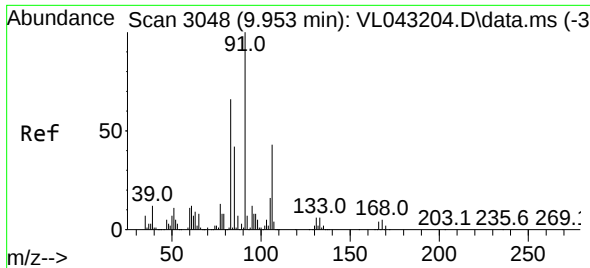
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#62
Isopropylbenzene
Concen: 9.269 ppbv
RT: 10.533 min Scan# 3227
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:105 Resp: 600155
Ion Ratio Lower Upper
105 100
120 24.8 19.8 29.8





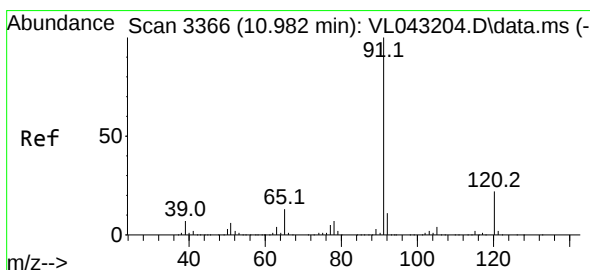
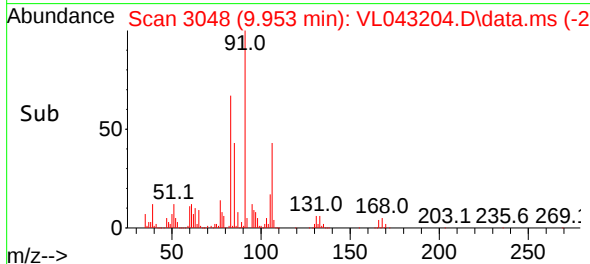
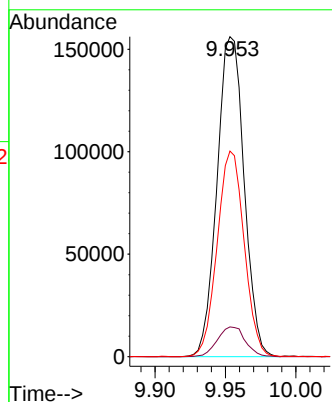
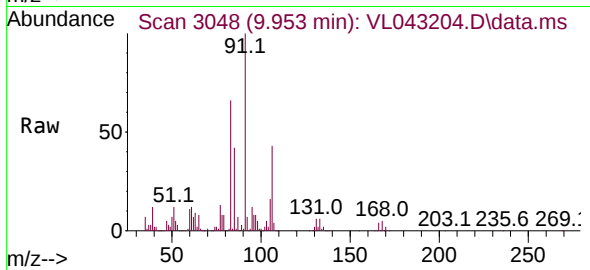
#63
1,1,2,2-Tetrachloroethane
Concen: 9.109 ppbv
RT: 9.953 min Scan# 3048
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 209272
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.3
85 63.9 31.9 95.9

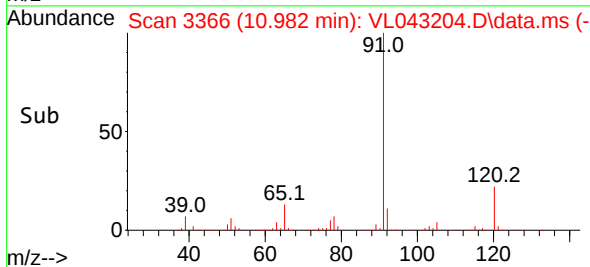
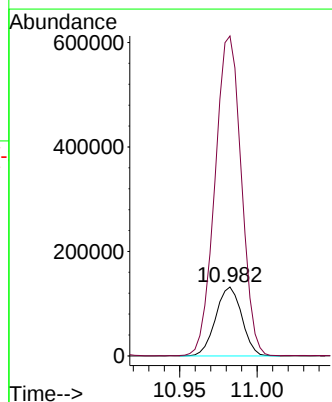
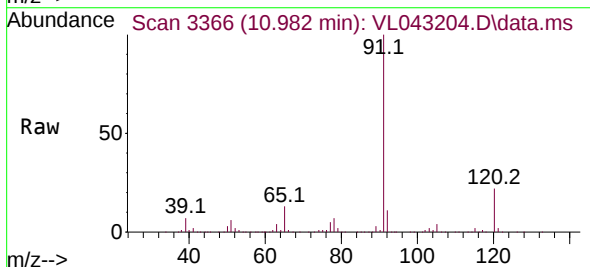
Manual Integrations
APPROVED

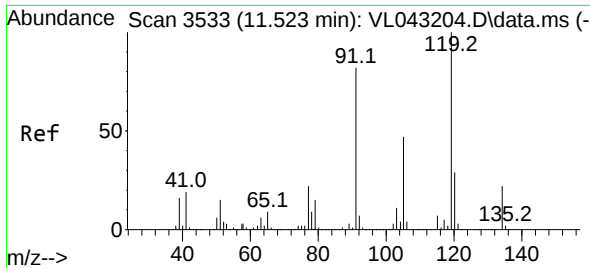
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#64
n-propylbenzene
Concen: 9.271 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:120 Resp: 154239
Ion Ratio Lower Upper
120 100
91 471.4 377.1 565.7





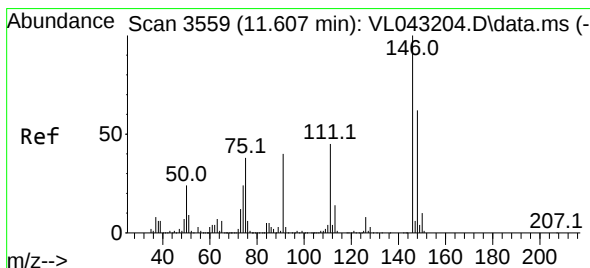
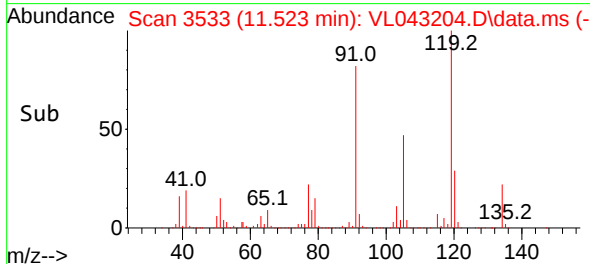
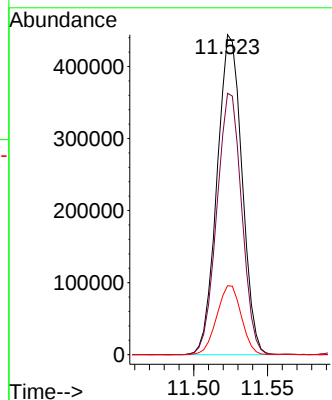
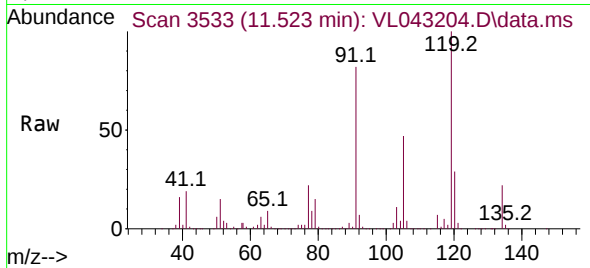
#65
tert-Butylbenzene
Concen: 9.029 ppbv
RT: 11.523 min Scan# 3533
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 522106
Ion Ratio Lower Upper
119 100
91 81.6 65.3 97.9
134 21.2 17.0 25.4

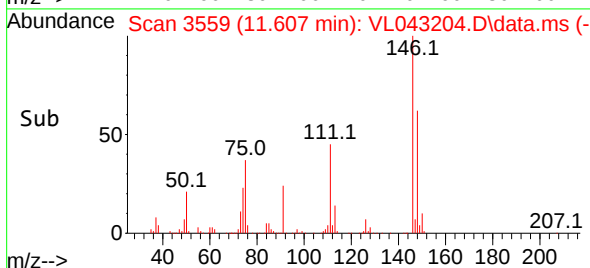
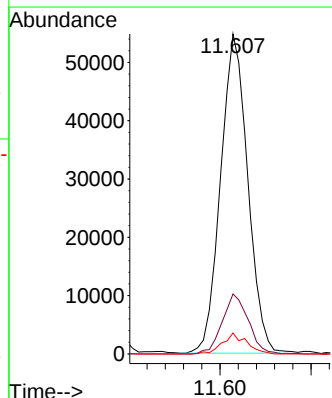
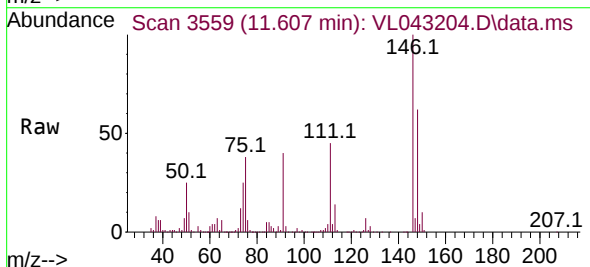
Manual Integrations
APPROVED

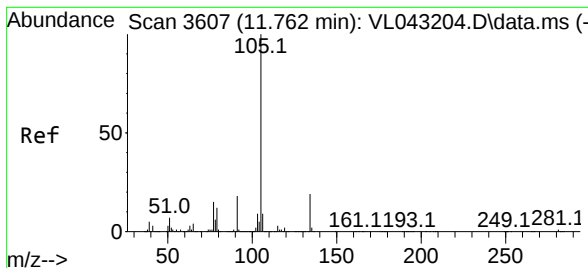
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#66
Benzyl Chloride
Concen: 9.649 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

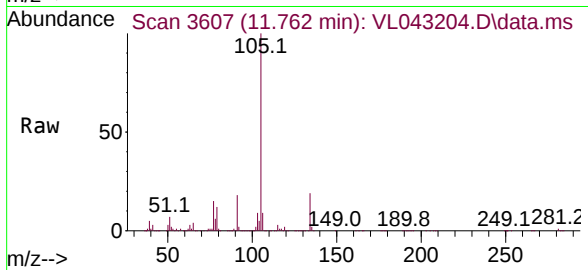
Tgt Ion: 91 Resp: 56620
Ion Ratio Lower Upper
91 100
126 18.0 14.4 21.6
128 5.7 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 9.039 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

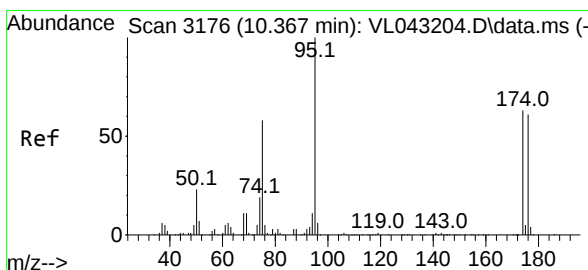
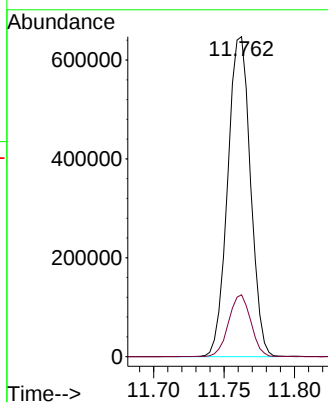
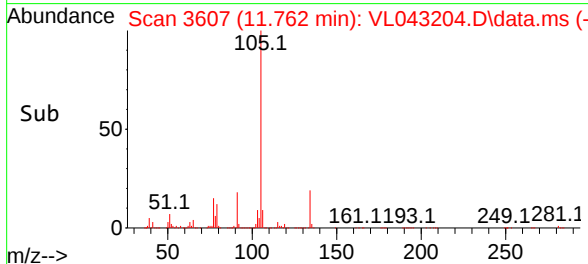
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



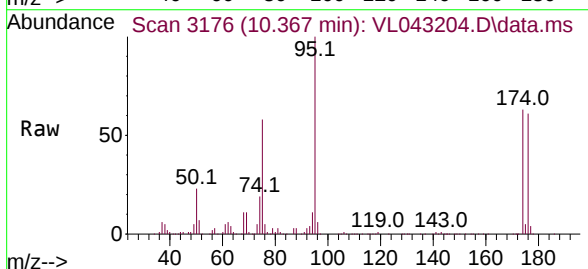
Tgt Ion:105 Resp: 729573
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.0 22.6

Manual Integrations
 APPROVED

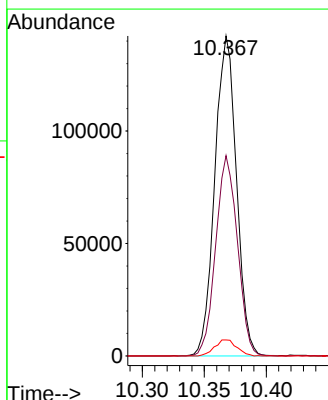
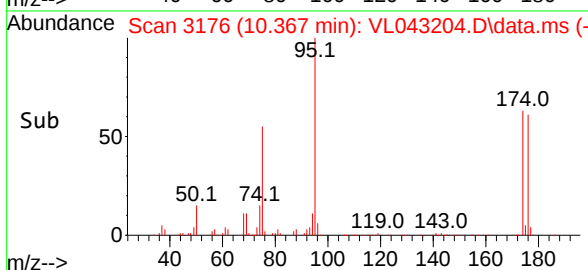
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

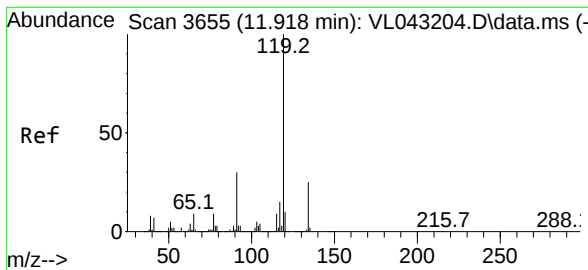


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.025 ppbv
 RT: 10.367 min Scan# 3176
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02



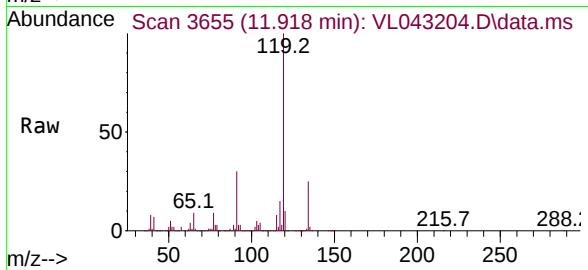
Tgt Ion: 95 Resp: 172524
 Ion Ratio Lower Upper
 95 100
 174 62.7 50.2 75.2
 175 5.1 4.1 6.1





#69
p-Isopropyltoluene
Concen: 9.135 ppbv
RT: 11.918 min Scan# 3655
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

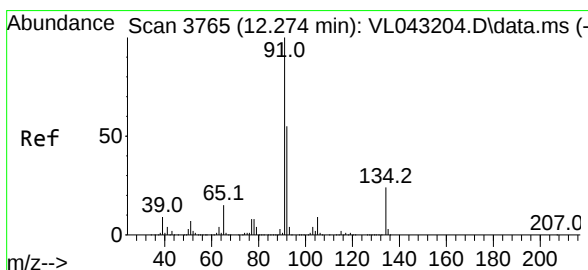
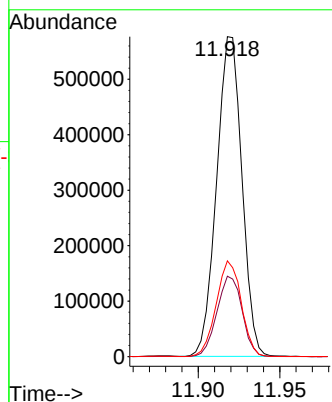
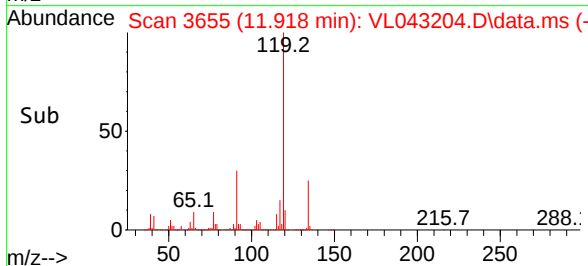
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



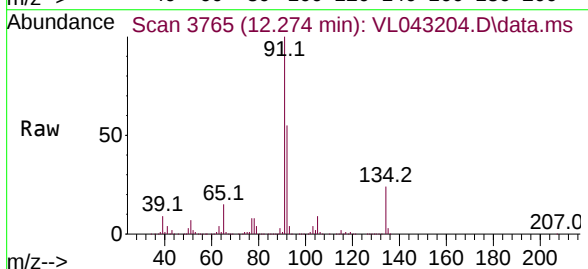
Tgt Ion: 119 Resp: 624586
Ion Ratio Lower Upper
119 100
134 25.2 20.2 30.2
91 29.8 23.8 35.8

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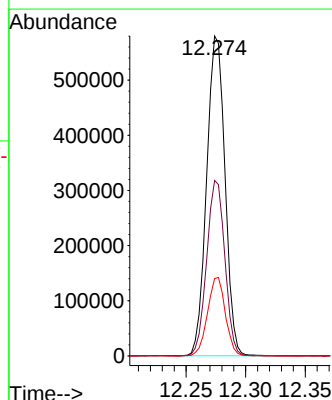
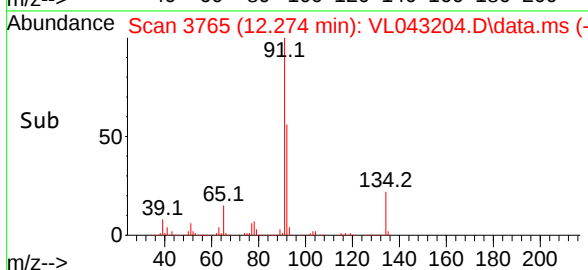
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

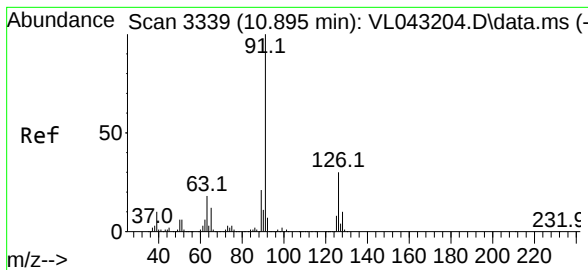


#70
n-Butylbenzene
Concen: 9.341 ppbv
RT: 12.274 min Scan# 3765
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02



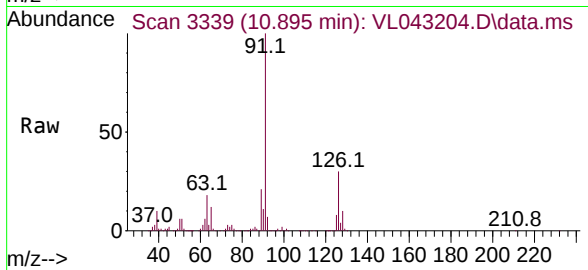
Tgt Ion: 91 Resp: 619610
Ion Ratio Lower Upper
91 100
92 54.4 43.5 65.3
134 23.8 19.0 28.6





#71
2-Chlorotoluene
Concen: 9.245 ppbv
RT: 10.895 min Scan# 3339
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

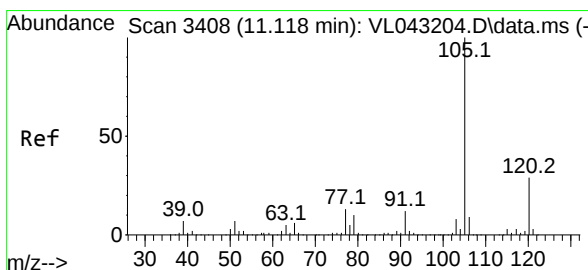
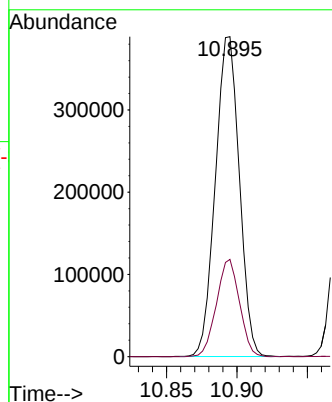
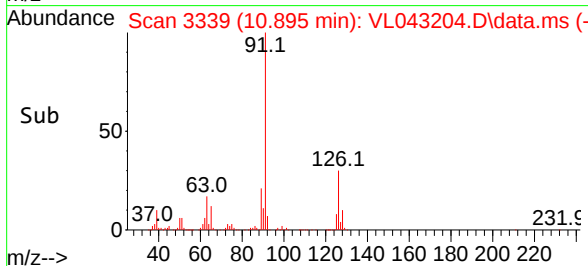
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



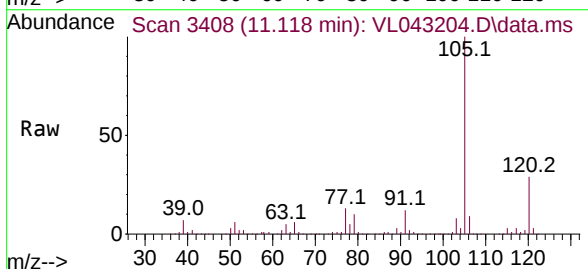
Tgt Ion: 91 Resp: 460118
Ion Ratio Lower Upper
91 100
126 29.2 11.7 46.7

Manual Integrations
APPROVED

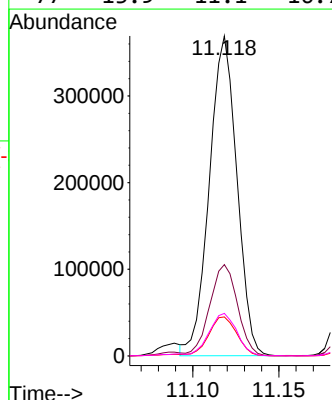
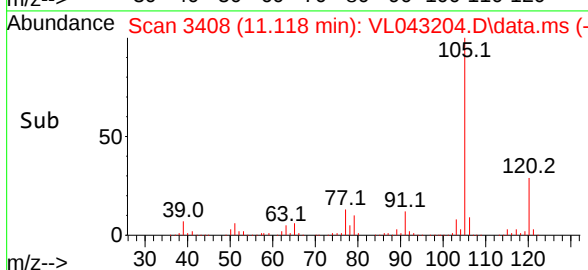
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

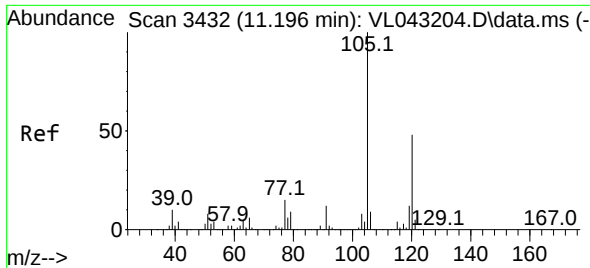


#72
4-Ethyltoluene
Concen: 9.316 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02



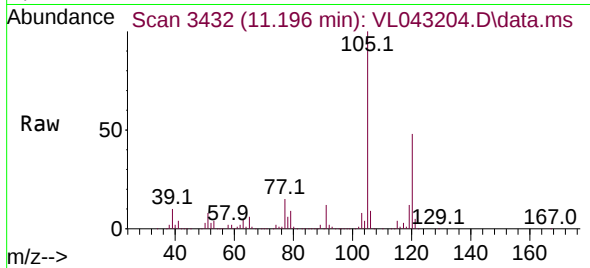
Tgt Ion:105 Resp: 410587
Ion Ratio Lower Upper
105 100
120 29.8 23.8 35.8
91 12.9 10.3 15.5
77 13.9 11.1 16.7





#73
 1,3,5-Trimethylbenzene
 Concen: 9.244 ppbv
 RT: 11.196 min Scan# 3432
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

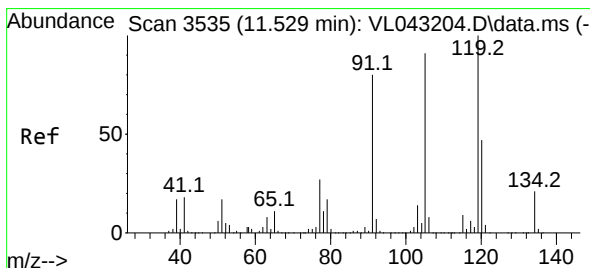
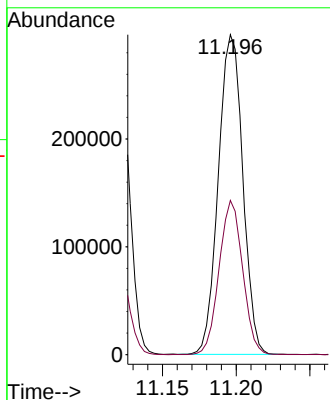
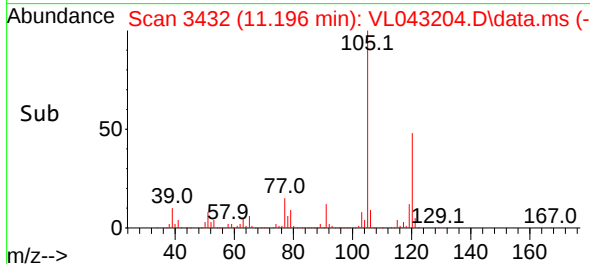
Instrument : MSVOA_L
 ClientSampleId : VSTDICCC010



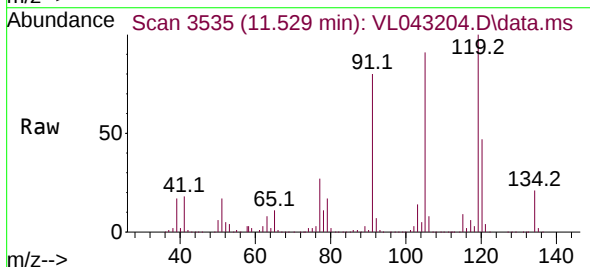
Tgt Ion:105 Resp: 341900
 Ion Ratio Lower Upper
 105 100
 120 48.2 38.6 57.8

Manual Integrations
 APPROVED

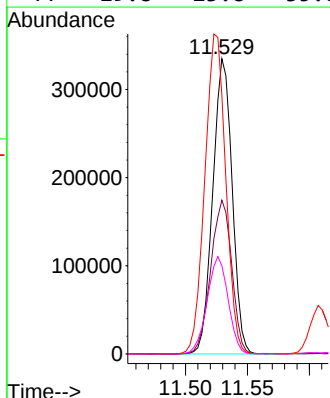
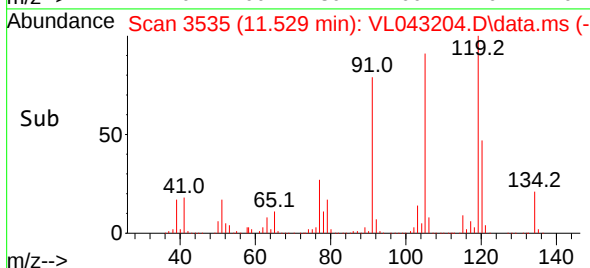
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

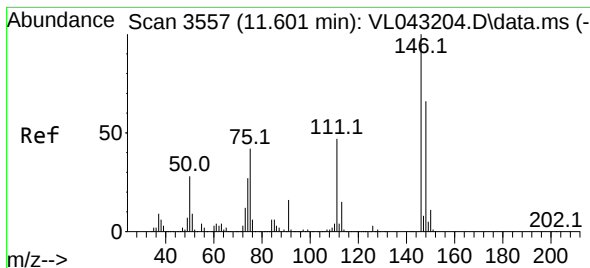


#74
 1,2,4-Trimethylbenzene
 Concen: 9.005 ppbv
 RT: 11.529 min Scan# 3535
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02



Tgt Ion:105 Resp: 363476
 Ion Ratio Lower Upper
 105 100
 120 52.1 41.7 62.5
 91 87.5 70.0 105.0
 77 29.8 23.8 35.8





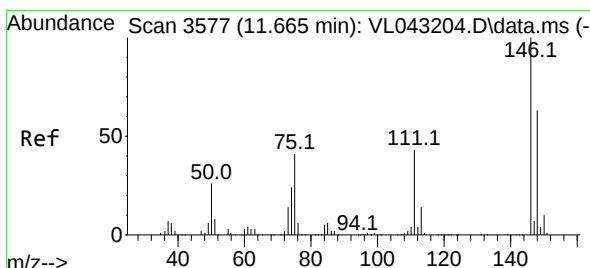
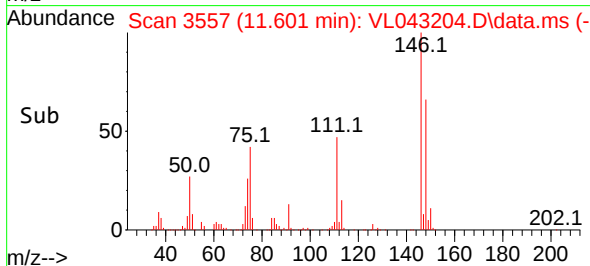
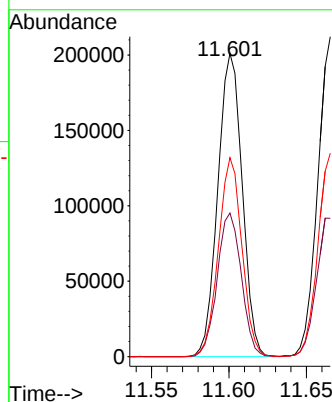
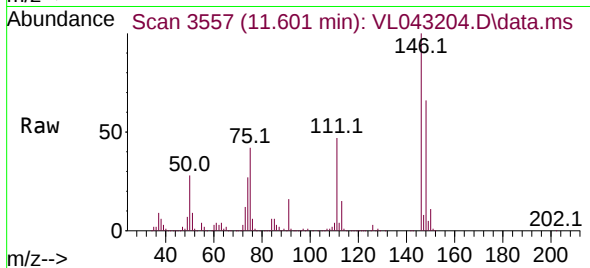
#75
1,3-Dichlorobenzene
Concen: 9.335 ppbv
RT: 11.601 min Scan# 3557
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 219894
Ion Ratio Lower Upper
146 100
111 46.9 23.4 70.3
148 63.3 31.6 95.0

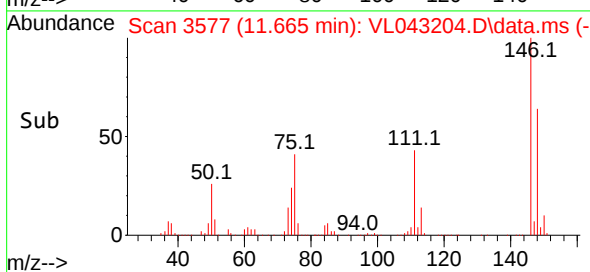
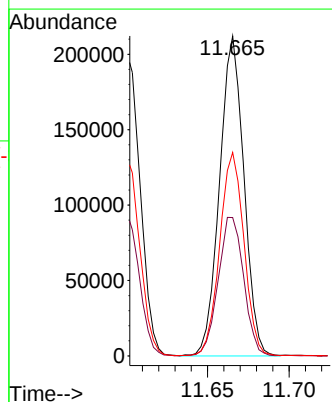
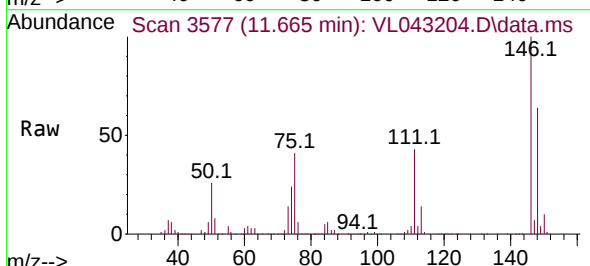
Manual Integrations
APPROVED

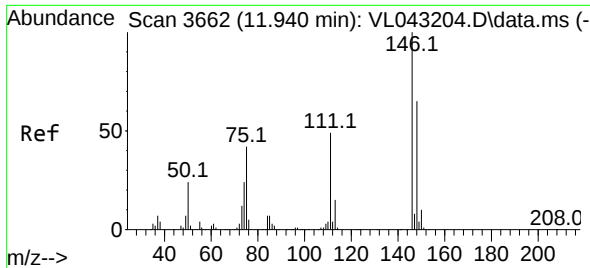
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#76
1,4-Dichlorobenzene
Concen: 9.363 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:146 Resp: 220576
Ion Ratio Lower Upper
146 100
111 45.5 22.8 68.3
148 63.6 31.8 95.4





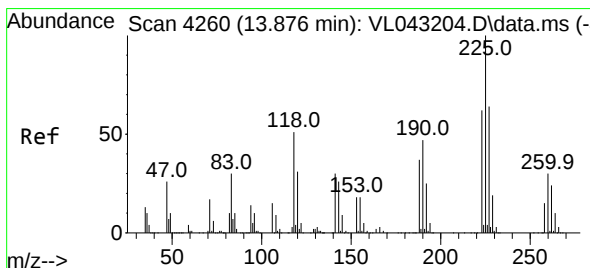
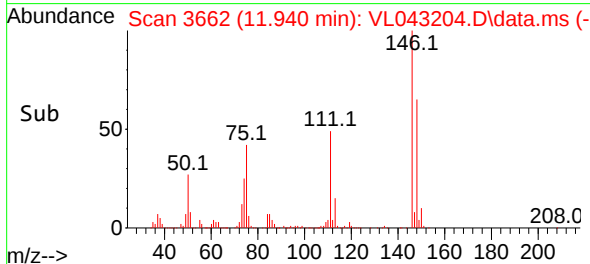
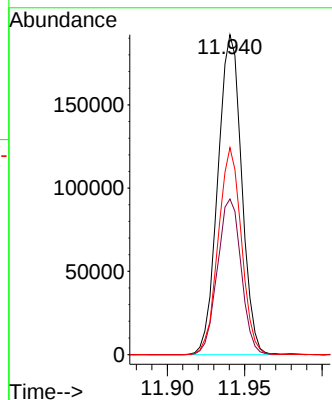
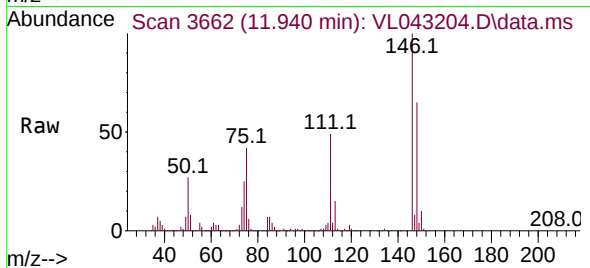
#77
1,2-Dichlorobenzene
Concen: 9.044 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 204826
Ion Ratio Lower Upper
146 100
111 48.7 24.3 73.0
148 63.1 31.6 94.7

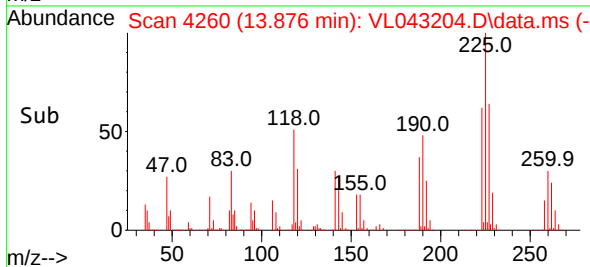
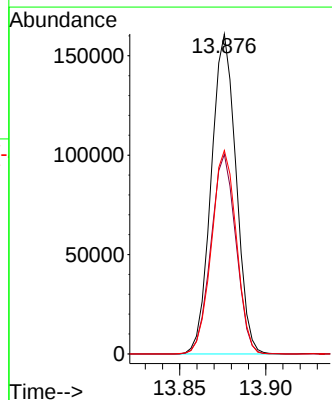
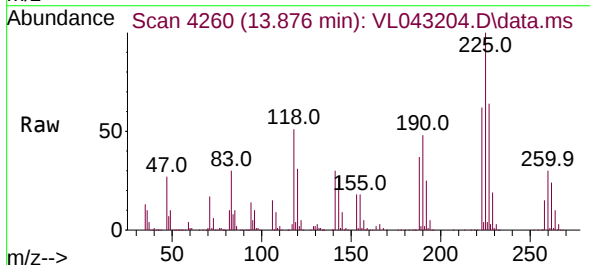
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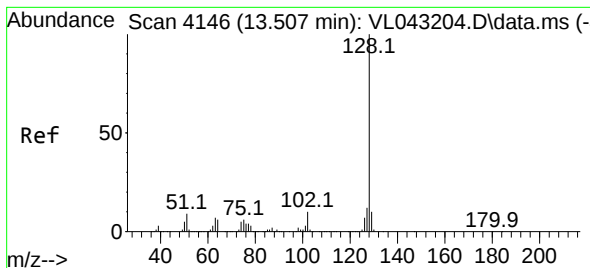
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#78
Hexachloro-1,3-Butadiene
Concen: 8.520 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:225 Resp: 161034
Ion Ratio Lower Upper
225 100
223 62.8 50.2 75.4
227 63.9 51.1 76.7





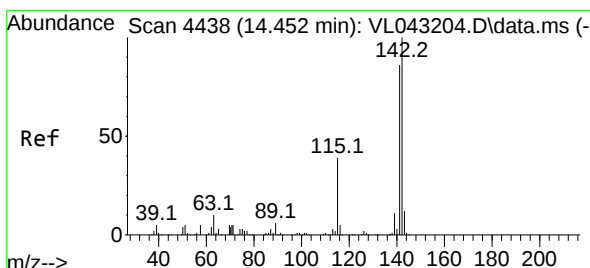
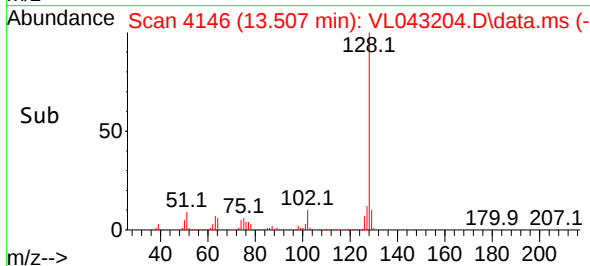
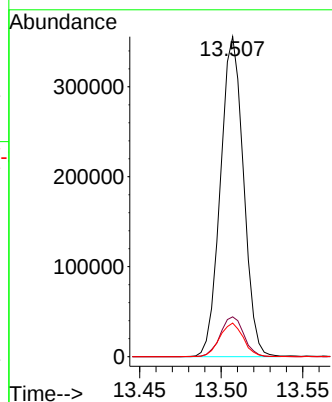
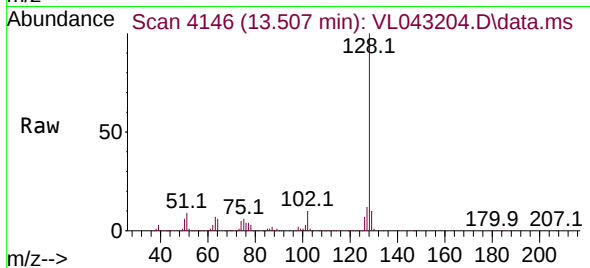
#79
Naphthalene
Concen: 9.795 ppbv
RT: 13.507 min Scan# 4146
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 351148
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 10.5 8.4 12.6

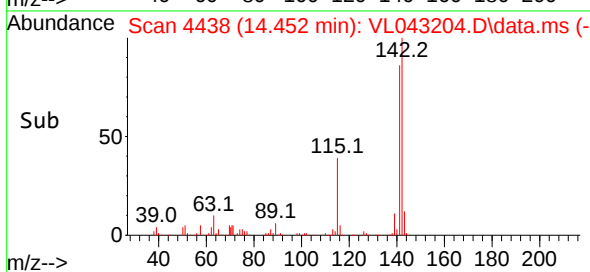
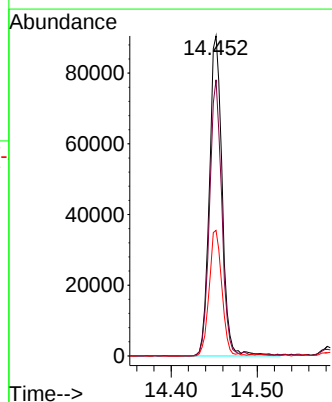
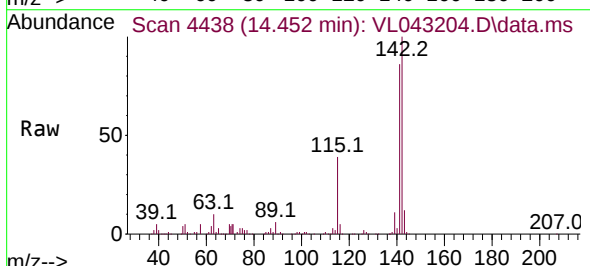
Manual Integrations
APPROVED

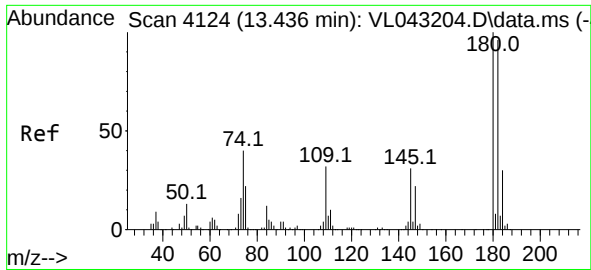
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#80
Naphthalene,2-methyl-
Concen: 9.895 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:142 Resp: 93113
Ion Ratio Lower Upper
142 100
141 83.9 67.1 100.7
115 39.9 31.9 47.9





#81

1,2,4-Trichlorobenzene

Concen: 9.923 ppbv

RT: 13.436 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL043204.D

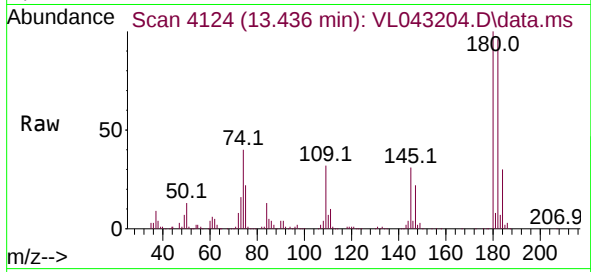
Acq: 18 Nov 2025 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010



Tgt Ion:180 Resp: 159091

Ion Ratio Lower Upper

180 100

182 96.8 77.4 116.2

184 30.3 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025

