

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
 Data File : VL042900.D
 Acq On : 08 Sep 2025 11:05
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/09/2025
 Supervised By : Mahesh Dadoda 09/11/2025

Quant Time: Sep 09 00:52:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Tue Sep 09 00:52:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	126678	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.943	114	333606	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	282770	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 222314 10.483 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.492	85	195136	10.511	ppbv	100
3) Chlorodifluoromethane	1.470	51	223887	10.910	ppbv	98
4) Chloromethane	1.528	50	74830	9.988	ppbv	99
5) Vinyl Chloride	1.577	62	70899	9.609	ppbv	99
6) Bromomethane	1.664	94	28498	9.659	ppbv	99
7) Chloroethane	1.700	64	28496	9.889	ppbv	89
8) Dichlorotetrafluoroethane	1.551	85	158303	10.420	ppbv	96
9) Propene	1.476	41	88702	10.009	ppbv	99
10) Heptane	4.959	43	234952	9.898	ppbv	98
11) Trichlorofluoromethane	1.871	101	188309	10.280	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.133	101	147287	10.089	ppbv	96
13) Ethanol	1.716	45	6525	8.052	ppbv	98
14) Bromoethene	1.777	108	53755	10.171	ppbv	99
15) Acetone	1.829	43	145289	8.670	ppbv	98
16) 1,3-Butadiene	1.602	39	70713	9.308	ppbv	100
17) tert-Butyl alcohol	2.033	59	170394	8.574	ppbv	99
18) 1,1-Dichloroethene	2.026	96	63544	9.900	ppbv	94
19) Isopropyl Alcohol	1.881	45	89009	8.893	ppbv	95
20) Methylene Chloride	2.056	84	57698	8.219	ppbv	93
21) Allyl Chloride	2.088	41	114332	9.658	ppbv	94
22) trans-1,2-Dichloroethene	2.331	96	74045	9.971	ppbv	93
23) Vinyl Acetate	2.454	43	228268	9.907	ppbv #	97
24) 1,1-Dichloroethane	2.402	63	152618	10.291	ppbv	99
25) Ethyl Acetate	2.826	43	415386	10.242	ppbv	99
26) Hexane	2.816	57	187779	10.031	ppbv	95
27) Carbon Disulfide	2.143	76	193262	10.608	ppbv	98
28) Methyl tert-Butyl Ether	2.431	73	85774	8.986	ppbv	93
29) Chloroform	2.839	83	281659	10.538	ppbv	98
30) Cyclohexane	3.842	84	153066	9.326	ppbv	96
31) cis-1,2-Dichloroethene	2.713	61	182592	9.765	ppbv	99
32) 1,1,1-Trichloroethane	3.357	97	271429	9.609	ppbv	96
34) 2-Butanone	2.548	43	272735	12.107	ppbv	98
35) Carbon Tetrachloride	3.748	117	269097	11.700	ppbv	99
36) Benzene	3.645	78	366027	11.458	ppbv	97
37) 1,2-Dichloroethane	3.208	62	211728	12.686	ppbv	98
38) Trichloroethene	4.532	130	151915	10.413	ppbv	95
39) 1,2-Dichloropropane	4.299	63	139657	11.970	ppbv	96
40) 1,4-Dioxane	4.561	88	56013	10.096	ppbv #	88
41) Tetrahydrofuran	3.043	42	148990	11.863	ppbv	96
42) Bromodichloromethane	4.473	83	301814	12.136	ppbv	98
43) Methyl Methacrylate	4.859	69	141813	10.776	ppbv	95
44) 2,2,4-Trimethylpentane	4.622	57	631245	11.642	ppbv	99
45) t-1,3-Dichloropropene	6.393	75	154622	10.411	ppbv	98

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

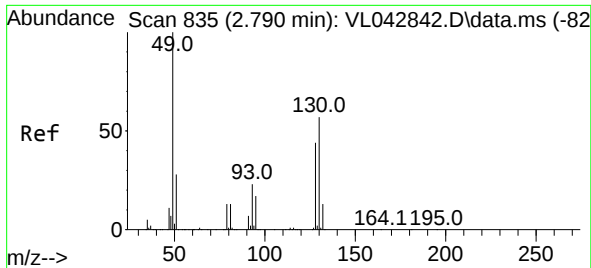
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Sep 09 00:52:26 2025

Response via : Initial Calibration

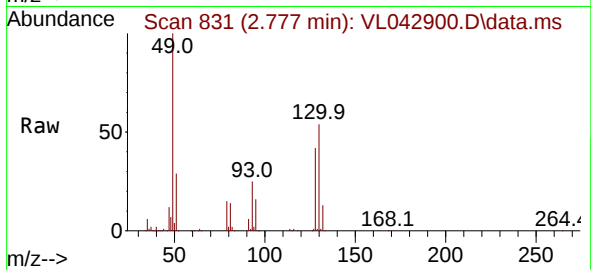
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.580	75	200797	10.851	ppbv	98
47) 1,1,2-Trichloroethane	6.561	97	144209	11.666	ppbv	98
48) Dibromochloromethane	7.370	129	228649	11.430	ppbv	100
49) Bromoform	9.471	173	184068	11.158	ppbv	98
50) 4-Methyl-2-Pentanone	5.729	43	359329	11.801	ppbv	96
51) 2-Hexanone	7.419	43	284454	11.872	ppbv #	95
52) Tetrachloroethene	8.212	164	110334	9.547	ppbv	98
53) Toluene	6.914	91	402080	10.587	ppbv	100
54) 1,2-Dibromoethane	7.636	107	204276	11.307	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.914	131	170319	11.648	ppbv	99
57) Chlorobenzene	8.911	112	311373	11.581	ppbv	97
58) Ethyl Benzene	9.345	91	558102	11.184	ppbv	99
59) m/p-Xylene	9.539	91	914783m	23.388	ppbv	
60) o-Xylene	9.953	91	460968	11.716	ppbv	100
61) Styrene	9.859	104	195007	10.579	ppbv	99
62) Isopropylbenzene	10.529	105	655164	11.394	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.953	83	266435	12.314	ppbv	100
64) n-propylbenzene	10.979	120	164610	11.220	ppbv	90
65) tert-Butylbenzene	11.523	119	561409	11.075	ppbv	97
66) Benzyl Chloride	11.607	91	50803	7.895	ppbv #	98
67) sec-Butylbenzene	11.759	105	833114	11.709	ppbv	98
69) p-Isopropyltoluene	11.918	119	667558	10.929	ppbv	99
70) n-Butylbenzene	12.274	91	711012	11.736	ppbv	98
71) 2-Chlorotoluene	10.892	91	498072	11.156	ppbv	97
72) 4-Ethyltoluene	11.118	105	554411	11.624	ppbv	98
73) 1,3,5-Trimethylbenzene	11.196	105	450409	11.105	ppbv	98
74) 1,2,4-Trimethylbenzene	11.529	105	508605	11.424	ppbv	95
75) 1,3-Dichlorobenzene	11.597	146	289650	11.445	ppbv	99
76) 1,4-Dichlorobenzene	11.662	146	287352	11.226	ppbv	99
77) 1,2-Dichlorobenzene	11.940	146	281307	11.351	ppbv	99
78) Hexachloro-1,3-Butadiene	13.873	225	167893	8.266	ppbv	99
79) Naphthalene	13.504	128	428355	10.613	ppbv	99
80) Naphthalene,2-methyl-	14.449	142	127751	8.470	ppbv	96
81) 1,2,4-Trichlorobenzene	13.432	180	207455	10.226	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

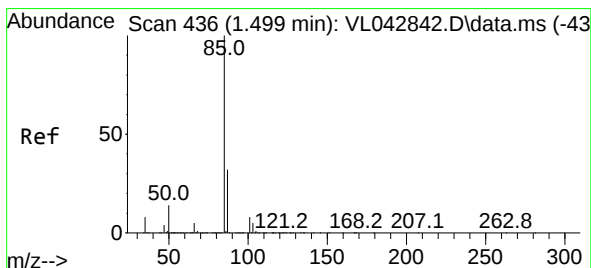
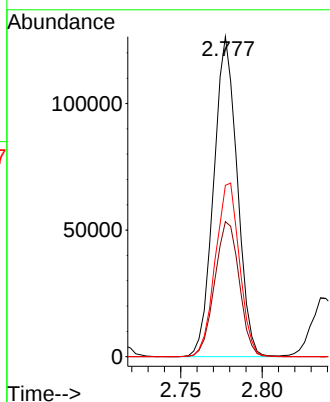
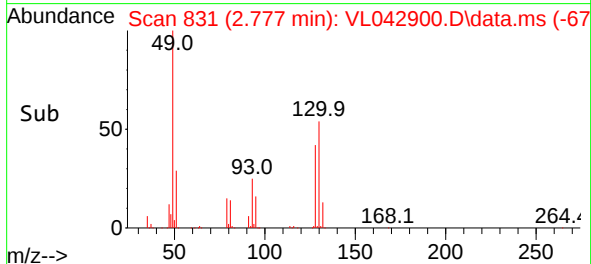
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



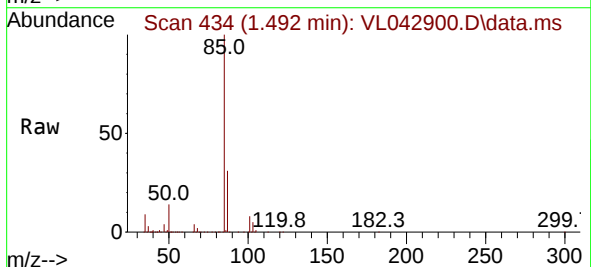
Tgt Ion: 49 Resp: 126678
Ion Ratio Lower Upper
49 100
128 44.1 23.7 71.1
130 55.7 30.6 91.6

Manual Integrations
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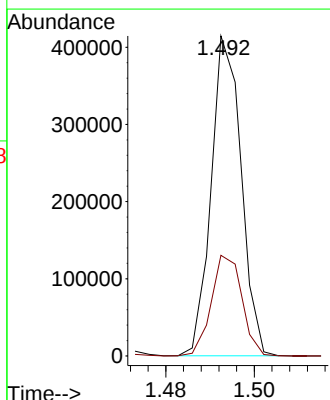
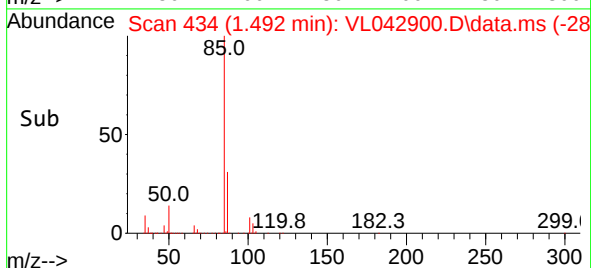
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025

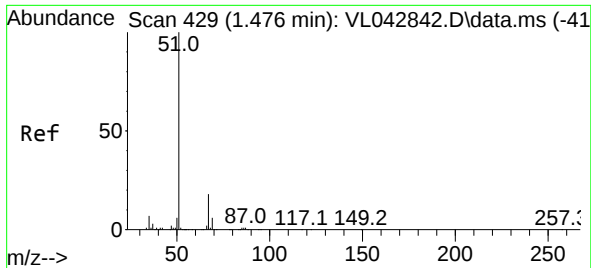


#2
Dichlorodifluoromethane
Concen: 10.511 ppbv
RT: 1.492 min Scan# 434
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05



Tgt Ion: 85 Resp: 195136
Ion Ratio Lower Upper
85 100
87 31.4 25.3 37.9





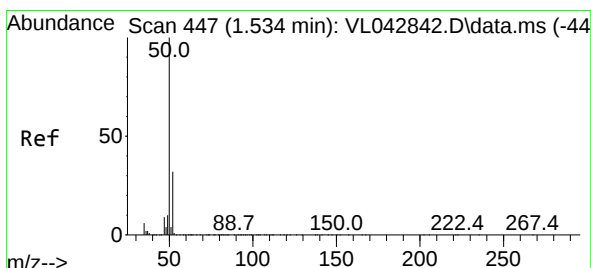
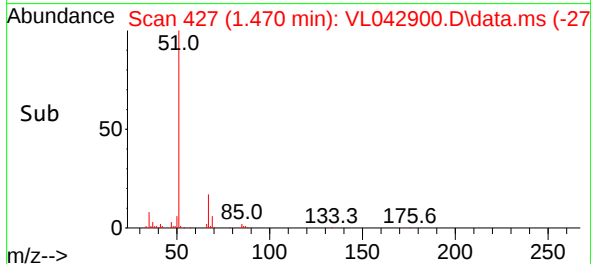
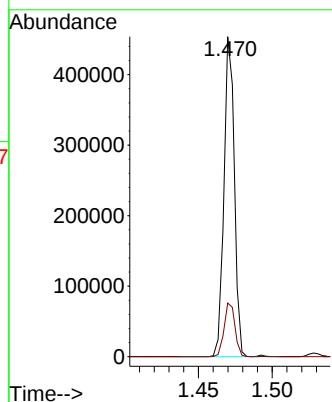
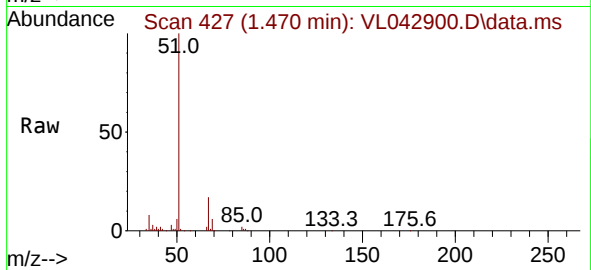
#3
Chlorodifluoromethane
Concen: 10.910 ppbv
RT: 1.470 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 22388
Ion Ratio Lower Upper
51 100
67 17.5 14.9 22.3

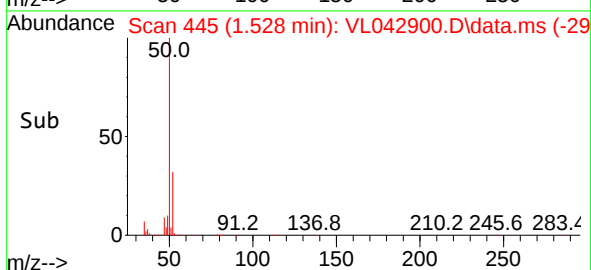
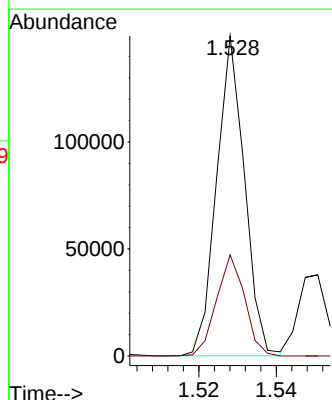
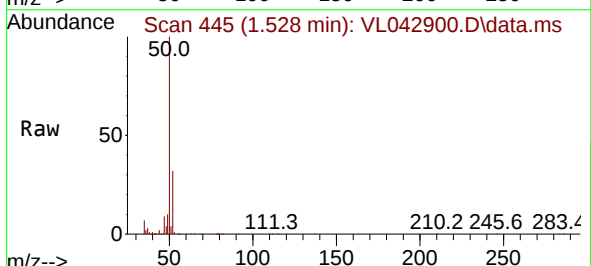
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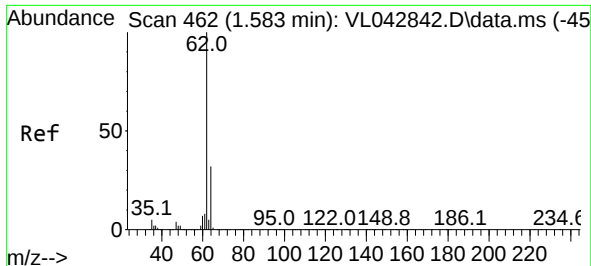
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#4
Chloromethane
Concen: 9.988 ppbv
RT: 1.528 min Scan# 445
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

Tgt Ion: 50 Resp: 74830
Ion Ratio Lower Upper
50 100
52 31.6 25.9 38.9





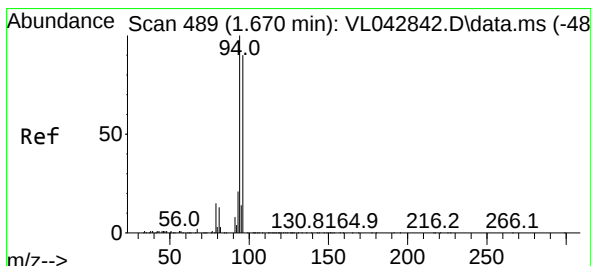
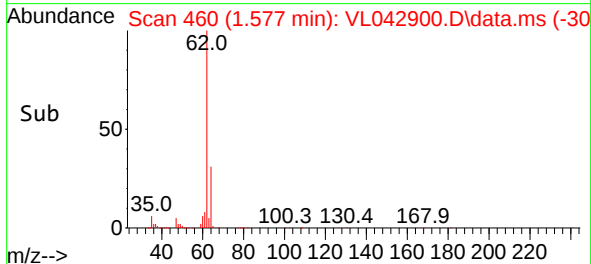
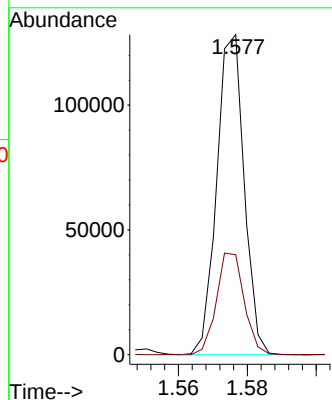
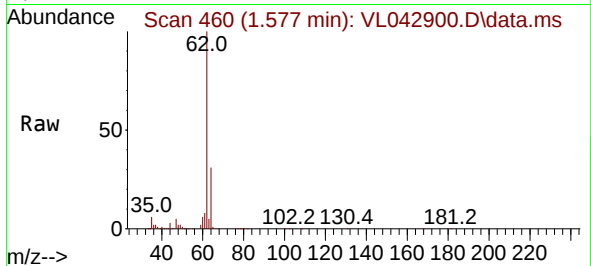
#5
 Vinyl Chloride
 Concen: 9.609 ppbv
 RT: 1.577 min Scan# 460
 Delta R.T. 0.000 min
 Lab File: VL042900.D
 Acq: 08 Sep 2025 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 70899
 Ion Ratio Lower Upper
 62 100
 64 31.3 25.4 38.2

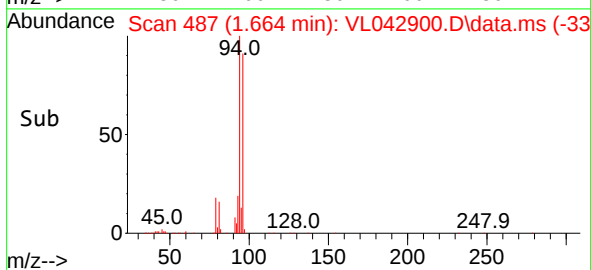
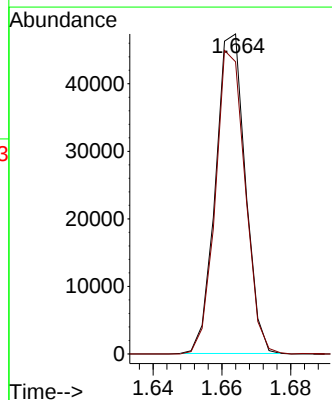
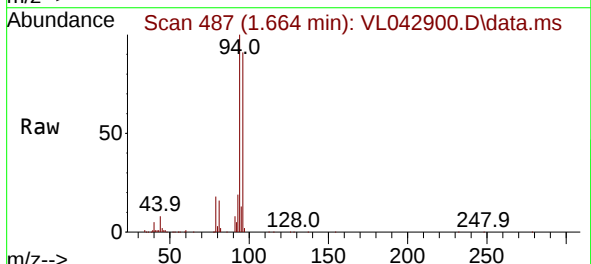
Manual Integrations
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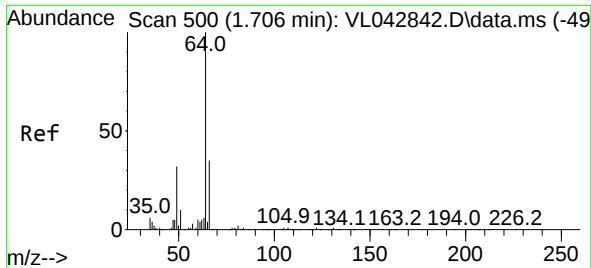
Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#6
 Bromomethane
 Concen: 9.659 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. 0.000 min
 Lab File: VL042900.D
 Acq: 08 Sep 2025 11:05

Tgt Ion: 94 Resp: 28498
 Ion Ratio Lower Upper
 94 100
 96 91.4 72.1 108.1





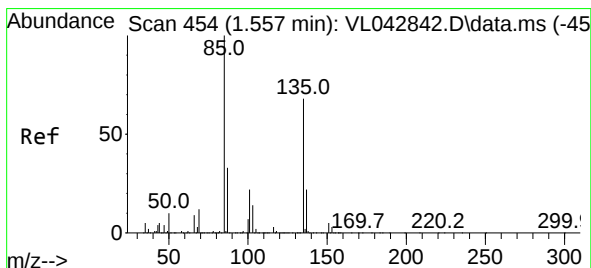
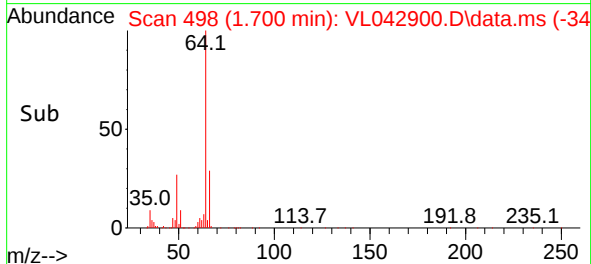
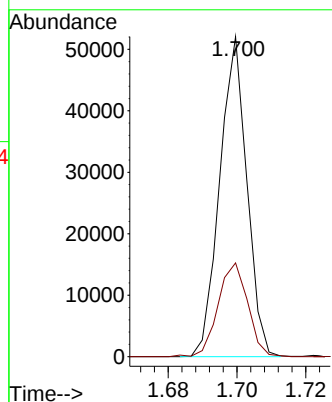
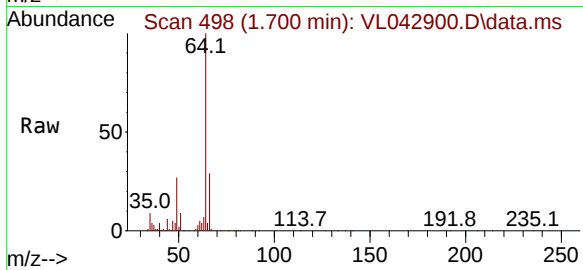
#7
Chloroethane
Concen: 9.889 ppbv
RT: 1.700 min Scan# 498
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 28490
Ion Ratio Lower Upper
64 100
66 29.3 28.6 42.8

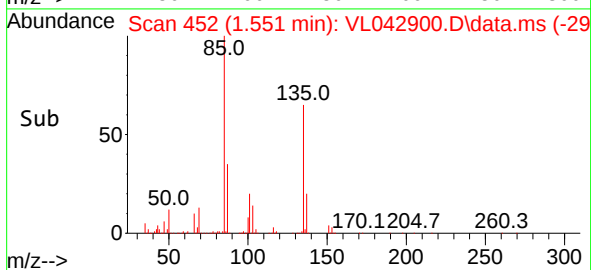
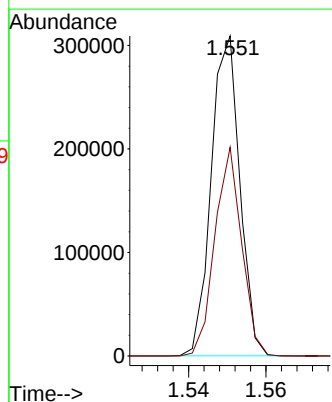
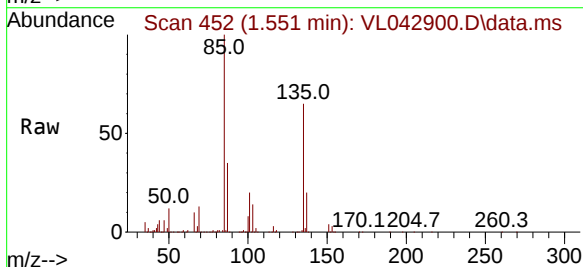
Manual Integrations
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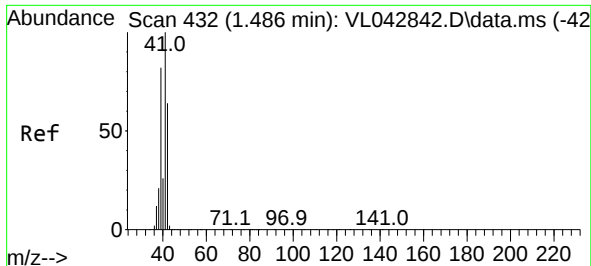
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#8
Dichlorotetrafluoroethane
Concen: 10.420 ppbv
RT: 1.551 min Scan# 452
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

Tgt Ion: 85 Resp: 158303
Ion Ratio Lower Upper
85 100
135 61.2 51.2 76.8





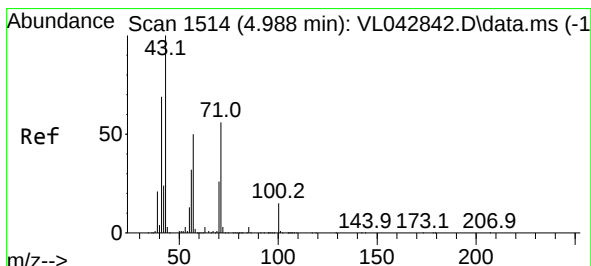
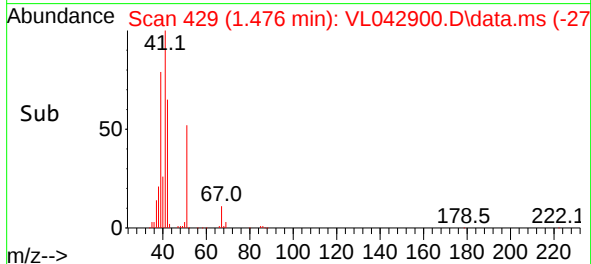
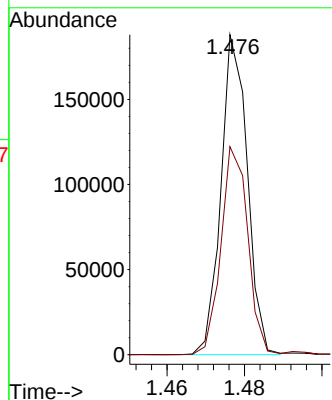
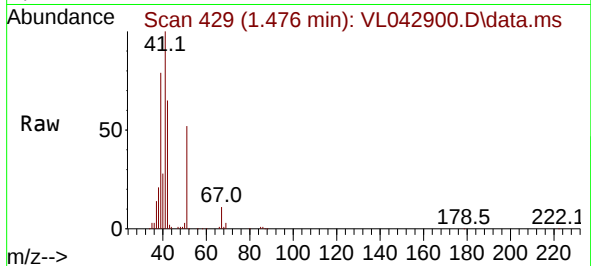
#9
 Propene
 Concen: 10.009 ppbv
 RT: 1.476 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042900.D
 Acq: 08 Sep 2025 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 88702
 Ion Ratio Lower Upper
 41 100
 42 67.1 53.0 79.4

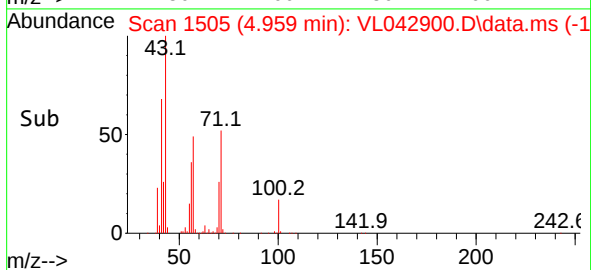
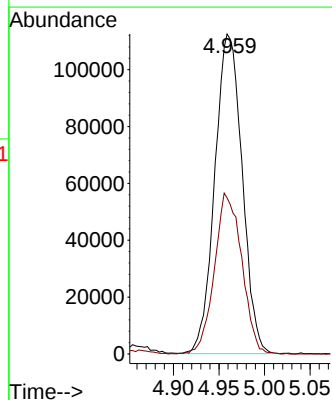
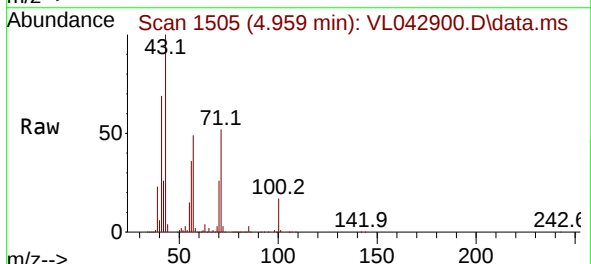
Manual Integrations
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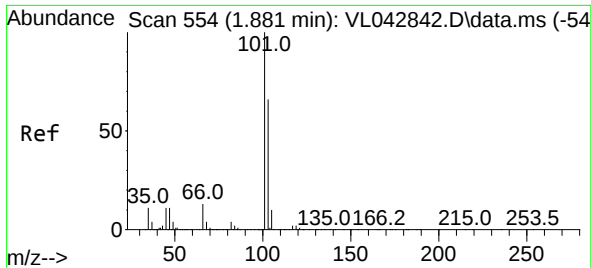
Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#10
 Heptane
 Concen: 9.898 ppbv
 RT: 4.959 min Scan# 1505
 Delta R.T. 0.000 min
 Lab File: VL042900.D
 Acq: 08 Sep 2025 11:05

Tgt Ion: 43 Resp: 234952
 Ion Ratio Lower Upper
 43 100
 57 50.2 41.4 62.0





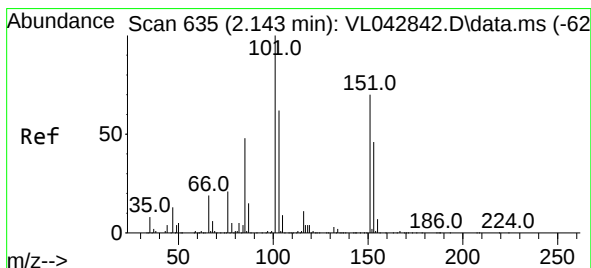
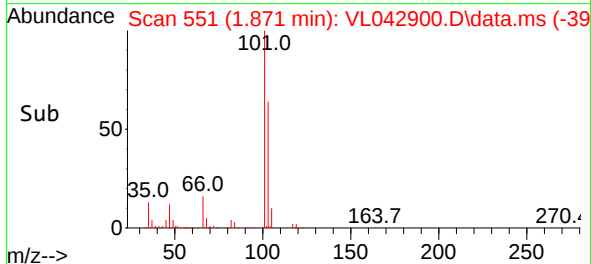
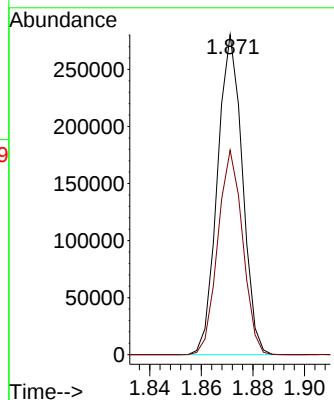
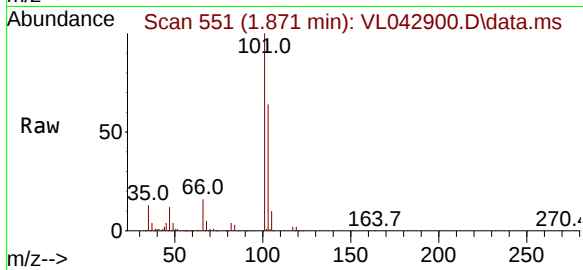
#11
 Trichlorofluoromethane
 Concen: 10.280 ppbv
 RT: 1.871 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042900.D
 Acq: 08 Sep 2025 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:101 Resp: 188309
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.5 78.7

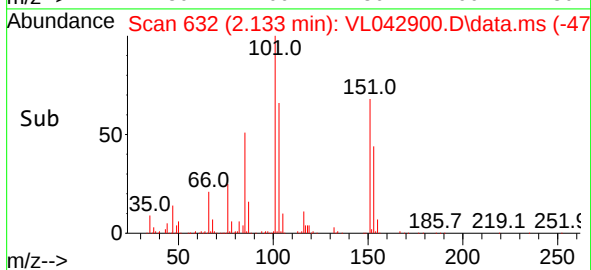
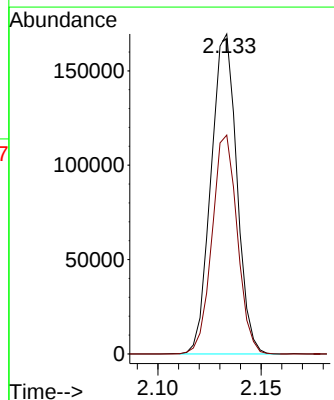
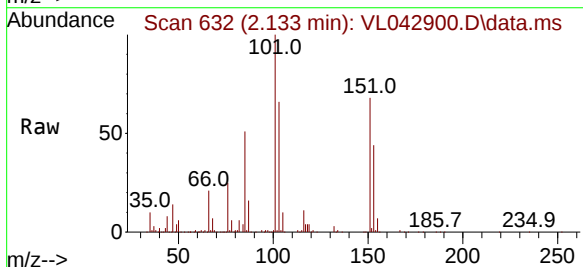
Manual Integrations
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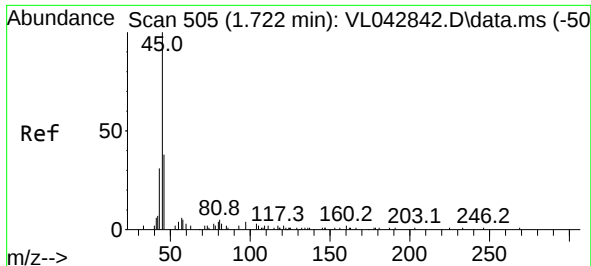
Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.089 ppbv
 RT: 2.133 min Scan# 632
 Delta R.T. 0.000 min
 Lab File: VL042900.D
 Acq: 08 Sep 2025 11:05

Tgt Ion:101 Resp: 147287
 Ion Ratio Lower Upper
 101 100
 151 66.9 56.4 84.6





#13

Ethanol

Concen: 8.052 ppbv

RT: 1.716 min Scan# 505

Delta R.T. 0.000 min

Lab File: VL042900.D

Acq: 08 Sep 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

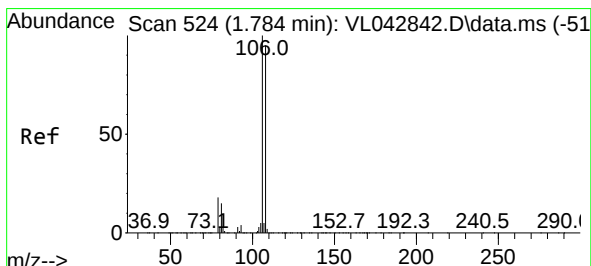
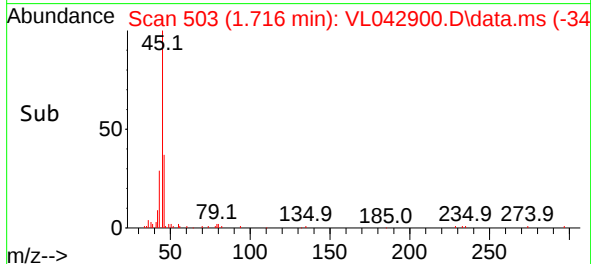
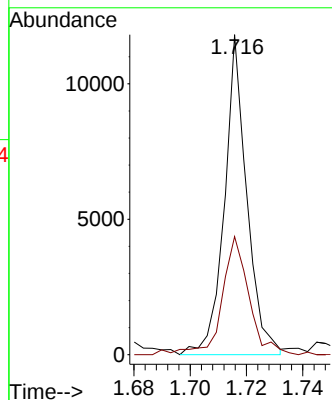
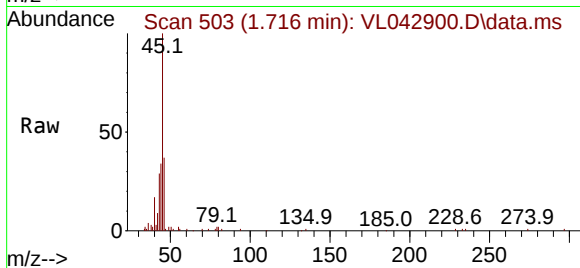
VSTDCCC010

Tgt Ion: 45 Resp: 6529
 Ion Ratio Lower Upper
 45 100
 46 44.8 17.5 69.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#14

Bromoethene

Concen: 10.171 ppbv

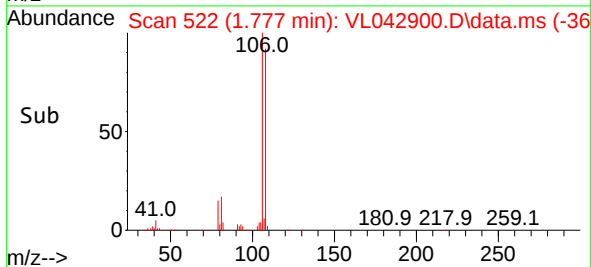
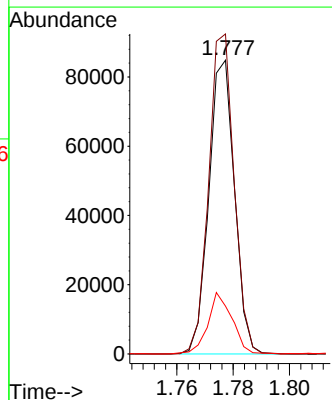
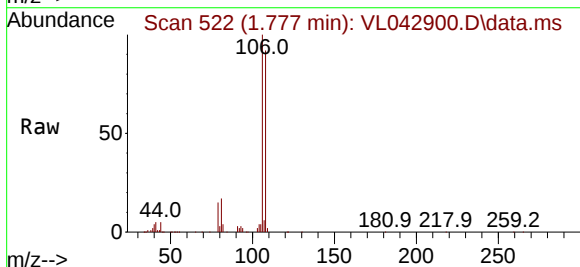
RT: 1.777 min Scan# 522

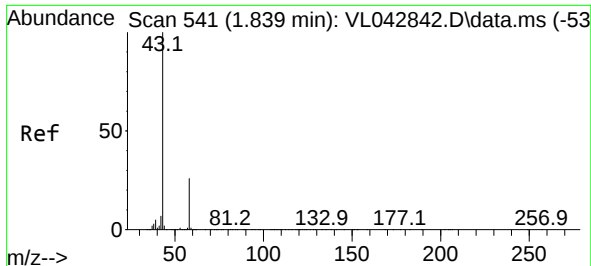
Delta R.T. 0.000 min

Lab File: VL042900.D

Acq: 08 Sep 2025 11:05

Tgt Ion:108 Resp: 53755
 Ion Ratio Lower Upper
 108 100
 106 107.9 85.1 127.7
 79 19.9 16.3 24.5





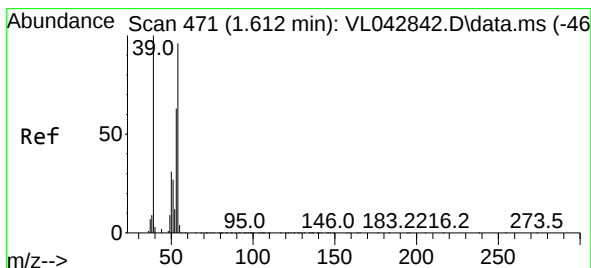
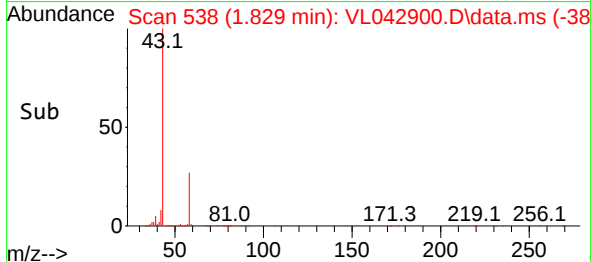
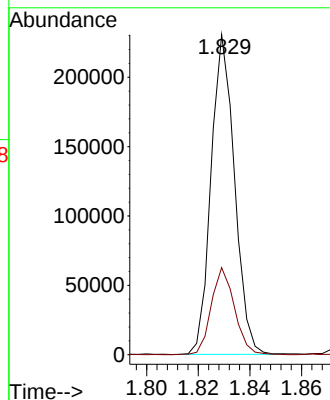
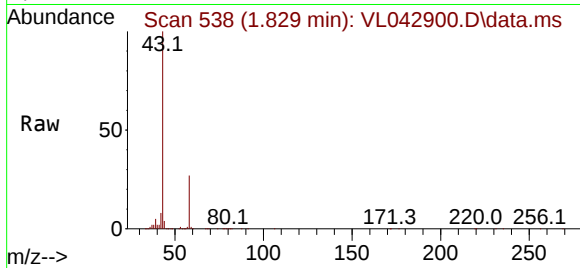
#15
Acetone
Concen: 8.670 ppbv
RT: 1.829 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 145289
Ion Ratio Lower Upper
43 100
58 27.0 22.4 33.6

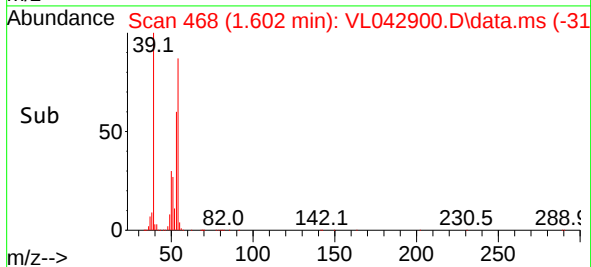
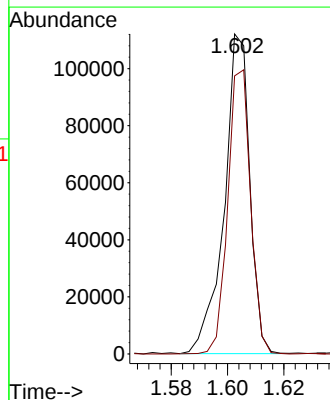
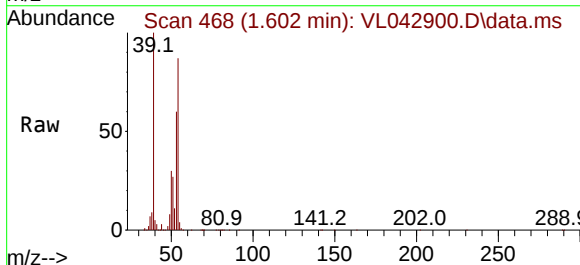
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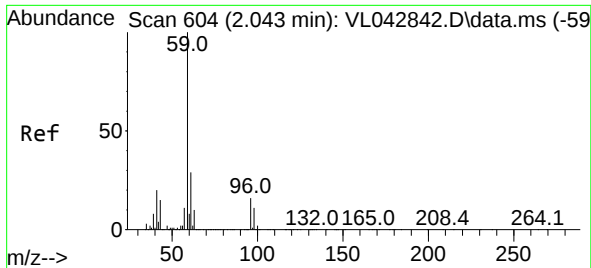
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#16
1,3-Butadiene
Concen: 9.308 ppbv
RT: 1.602 min Scan# 468
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

Tgt Ion: 39 Resp: 70713
Ion Ratio Lower Upper
39 100
54 79.5 63.6 95.4





#17

tert-Butyl alcohol

Concen: 8.574 ppbv

RT: 2.033 min Scan# 604

Delta R.T. 0.000 min

Lab File: VL042900.D

Acq: 08 Sep 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 170394

Ion Ratio Lower Upper

59 100

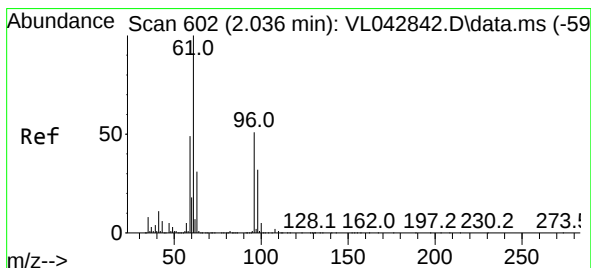
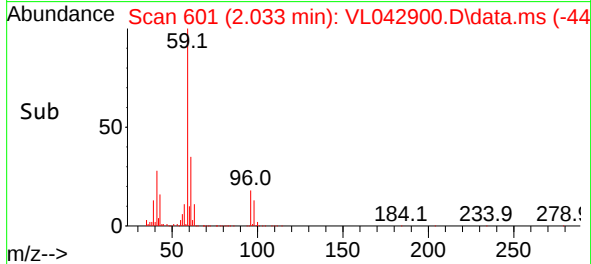
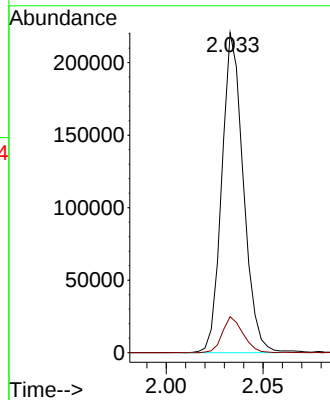
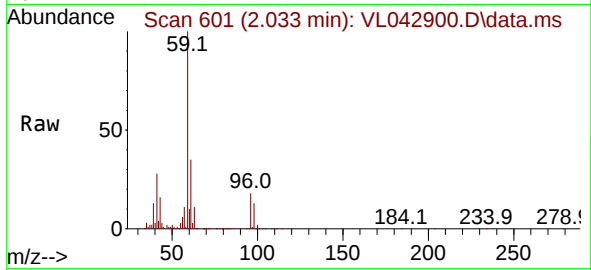
57 10.8 9.0 13.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/09/2025

Supervised By :Mahesh Dadoda 09/11/2025



#18

1,1-Dichloroethene

Concen: 9.900 ppbv

RT: 2.026 min Scan# 599

Delta R.T. 0.000 min

Lab File: VL042900.D

Acq: 08 Sep 2025 11:05

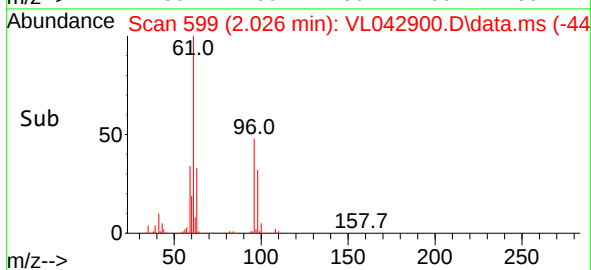
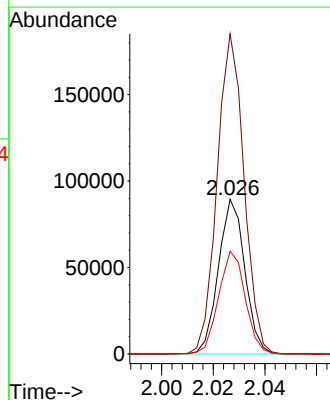
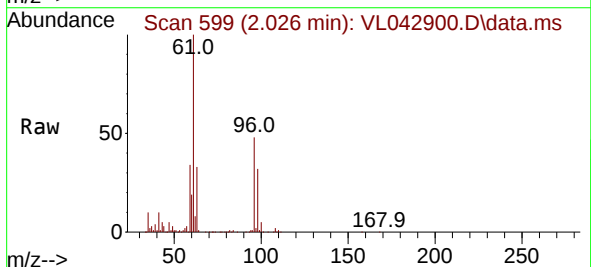
Tgt Ion: 96 Resp: 63544

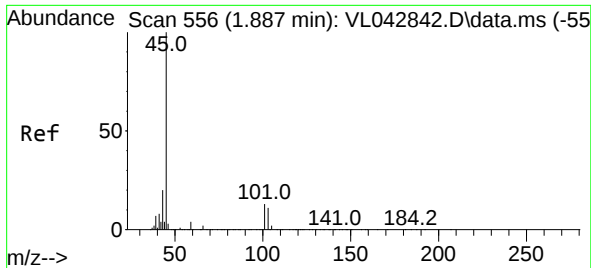
Ion Ratio Lower Upper

96 100

61 207.0 158.2 237.4

98 66.3 50.6 76.0





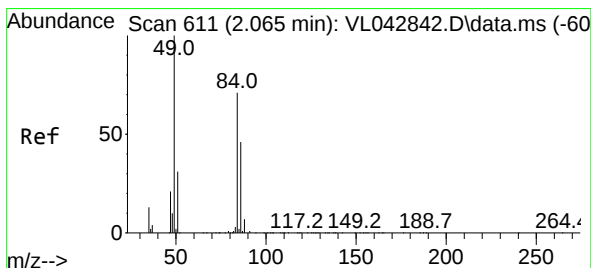
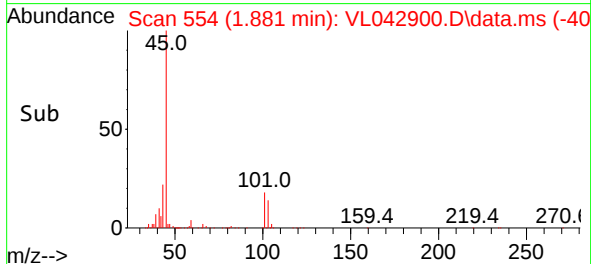
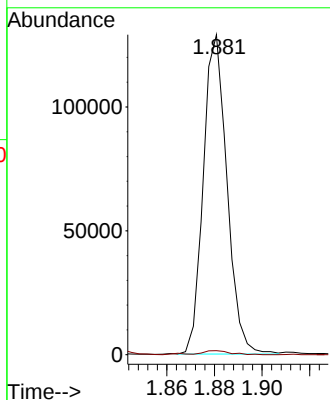
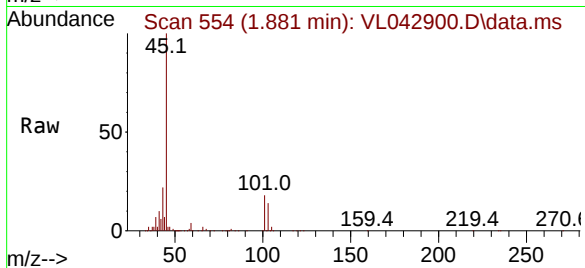
#19
Isopropyl Alcohol
Concen: 8.893 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 89009
Ion Ratio Lower Upper
45 100
58 44.1 32.7 49.1

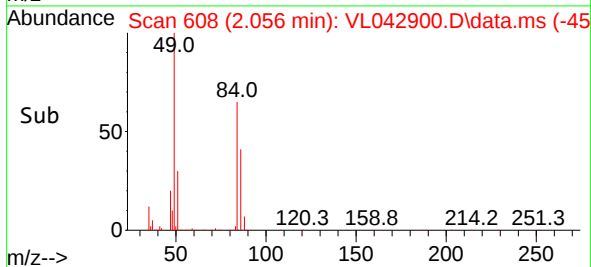
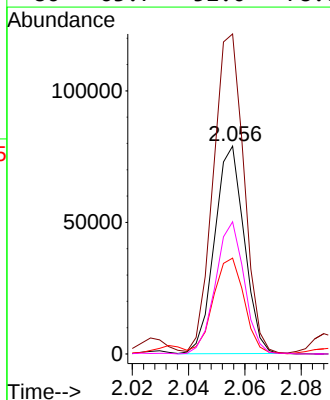
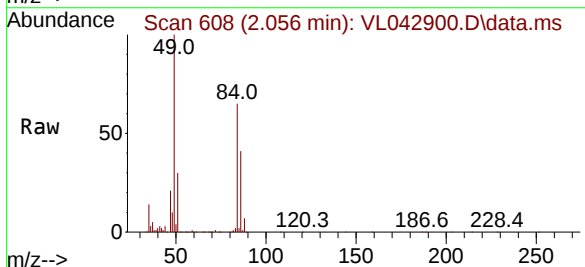
Manual Integrations
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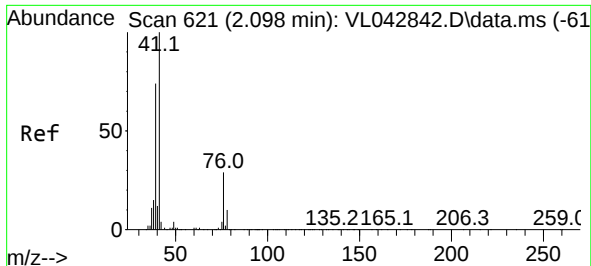
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#20
Methylene Chloride
Concen: 8.219 ppbv
RT: 2.056 min Scan# 608
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

Tgt Ion: 84 Resp: 57698
Ion Ratio Lower Upper
84 100
49 153.6 112.3 168.5
51 45.6 36.0 54.0
86 63.7 52.0 78.0





#21
 Allyl Chloride
 Concen: 9.658 ppbv
 RT: 2.088 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042900.D
 Acq: 08 Sep 2025 11:05

Instrument :

MSVOA_L

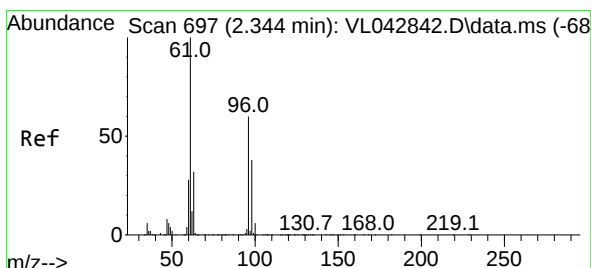
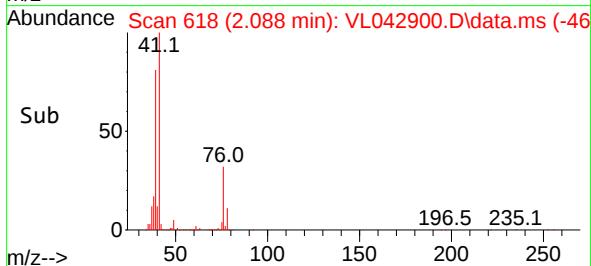
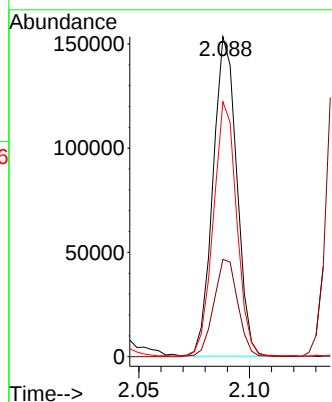
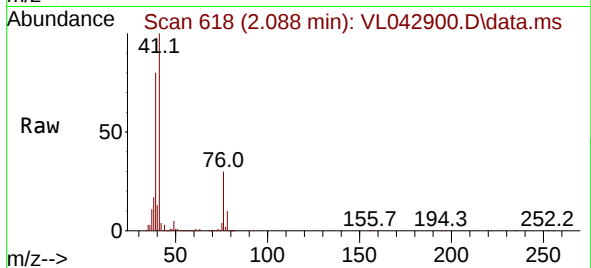
ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 11433
 Ion Ratio Lower Upper
 41 100
 76 30.9 23.9 35.9
 39 78.4 57.8 86.6

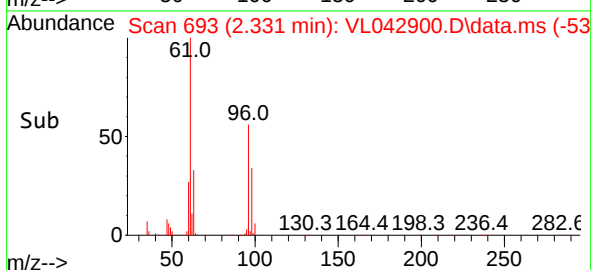
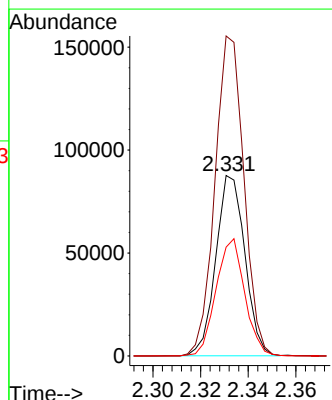
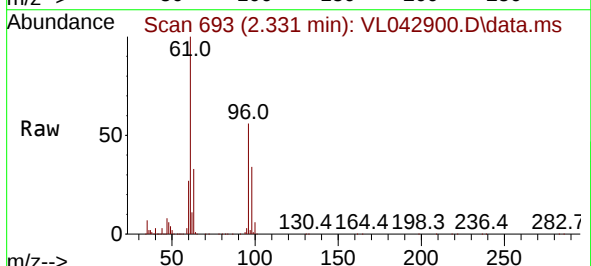
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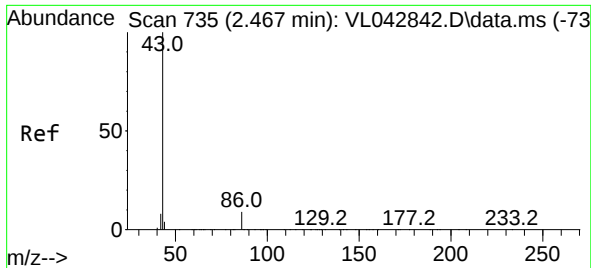
Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.971 ppbv
 RT: 2.331 min Scan# 693
 Delta R.T. 0.000 min
 Lab File: VL042900.D
 Acq: 08 Sep 2025 11:05

Tgt Ion: 96 Resp: 74045
 Ion Ratio Lower Upper
 96 100
 61 177.5 132.6 199.0
 98 60.3 50.0 75.0





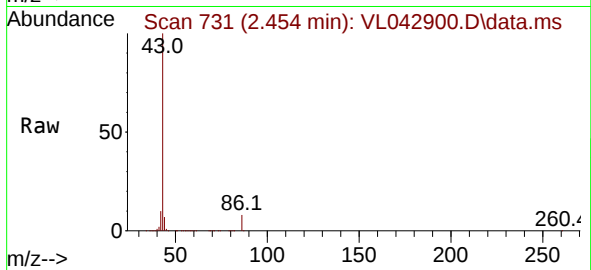
#23
 Vinyl Acetate
 Concen: 9.907 ppbv
 RT: 2.454 min Scan# 715
 Delta R.T. 0.000 min
 Lab File: VL042900.D
 Acq: 08 Sep 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

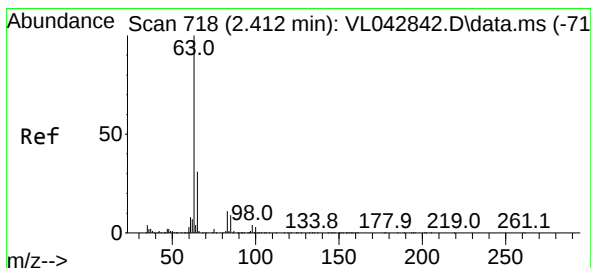
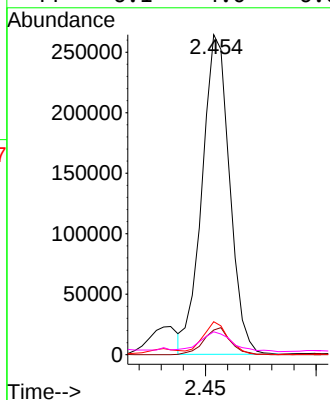
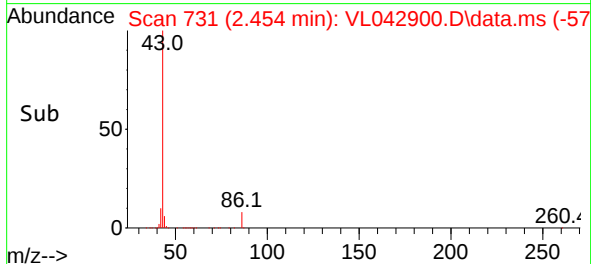


Tgt Ion: 43 Resp: 228268
 Ion Ratio Lower Upper
 43 100
 86 7.7 6.6 9.8
 42 10.3 7.0 10.6
 44 6.1 4.0 6.0#

Manual Integrations

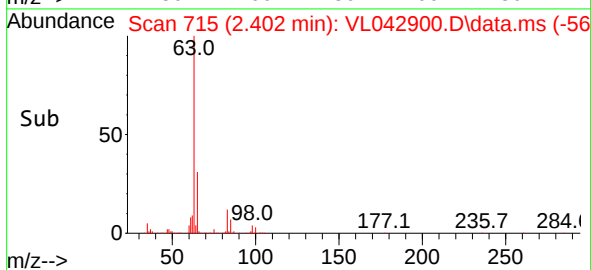
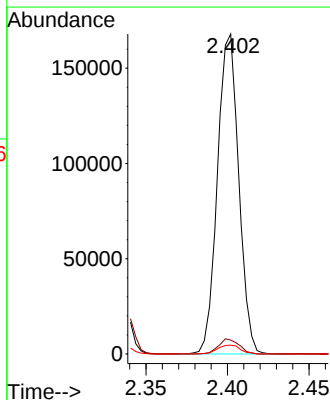
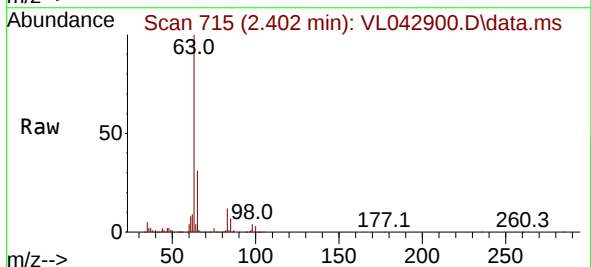
APPROVED

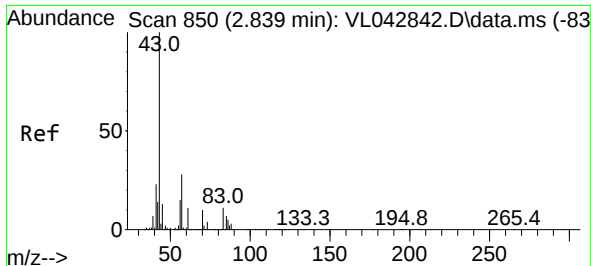
Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#24
 1,1-Dichloroethane
 Concen: 10.291 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. 0.000 min
 Lab File: VL042900.D
 Acq: 08 Sep 2025 11:05

Tgt Ion: 63 Resp: 152618
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.1 6.5
 100 2.7 1.7 5.1





#25

Ethyl Acetate

Concen: 10.242 ppbv

RT: 2.826 min Scan# 84

Delta R.T. 0.000 min

Lab File: VL042900.D

Acq: 08 Sep 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

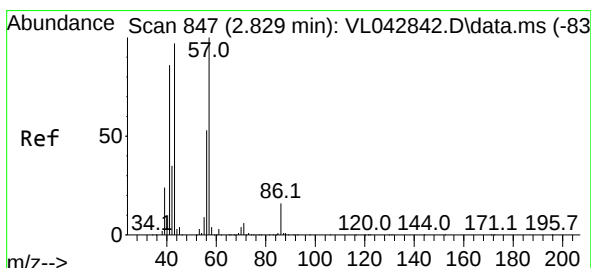
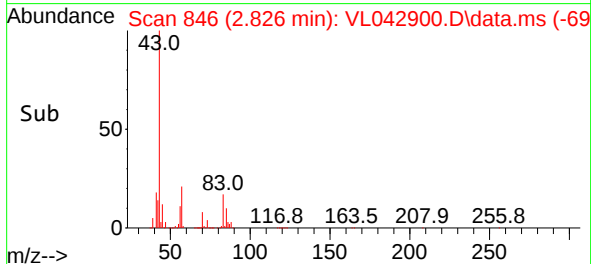
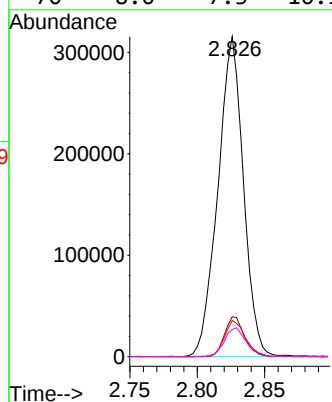
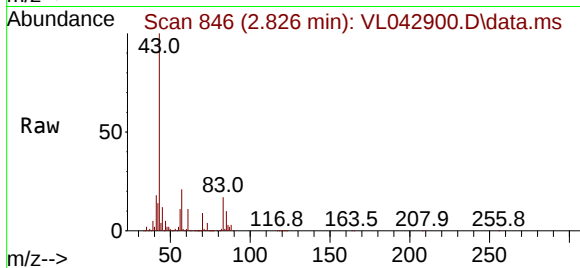
Tgt Ion: 43 Resp: 415380

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.1	12.1
61	9.0	7.4	11.2
70	8.0	7.3	10.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#26

Hexane

Concen: 10.031 ppbv

RT: 2.816 min Scan# 843

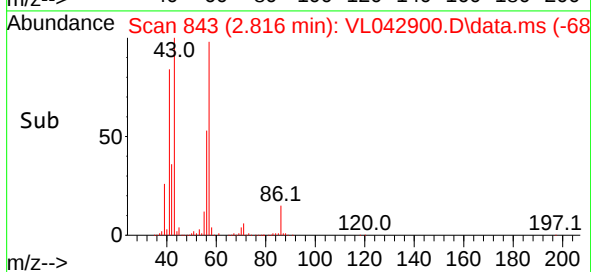
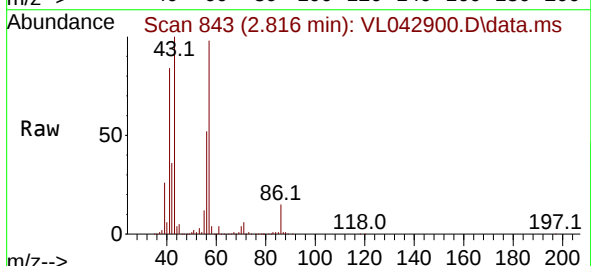
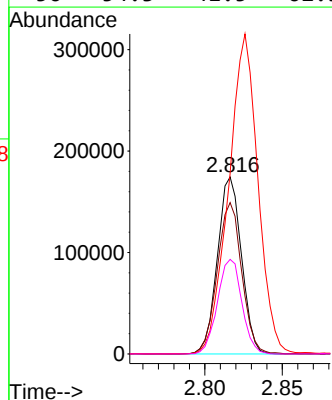
Delta R.T. 0.000 min

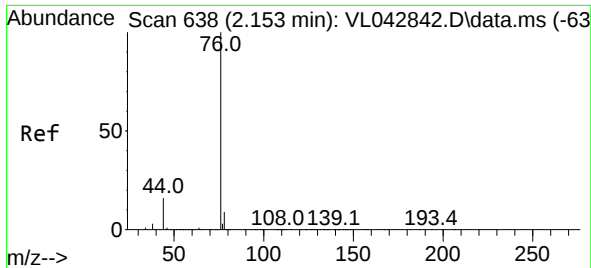
Lab File: VL042900.D

Acq: 08 Sep 2025 11:05

Tgt Ion: 57 Resp: 187779

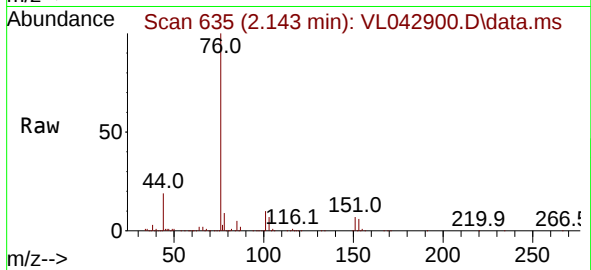
Ion	Ratio	Lower	Upper
57	100		
41	87.6	68.6	103.0
43	222.1	168.5	252.7
56	54.3	41.5	62.3





#27
Carbon Disulfide
Concen: 10.608 ppbv
RT: 2.143 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

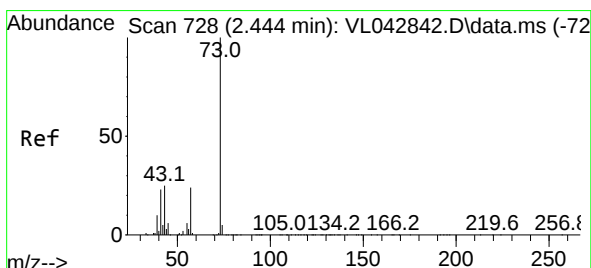
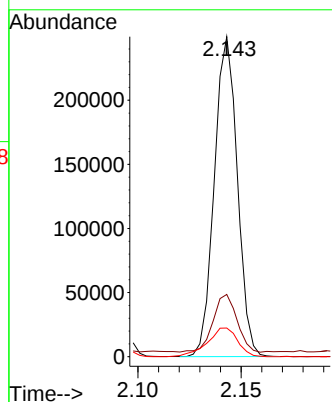
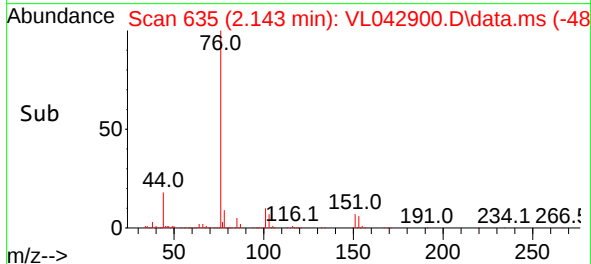
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



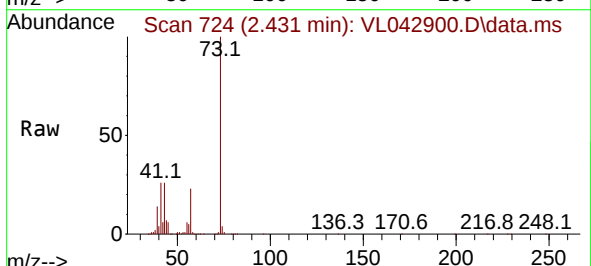
Tgt Ion: 76 Resp: 193262
Ion Ratio Lower Upper
76 100
44 18.7 15.9 23.9
78 11.8 9.5 14.3

Manual Integrations
APPROVED

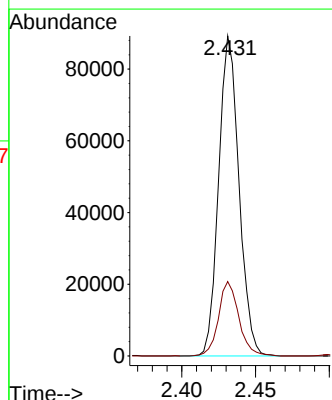
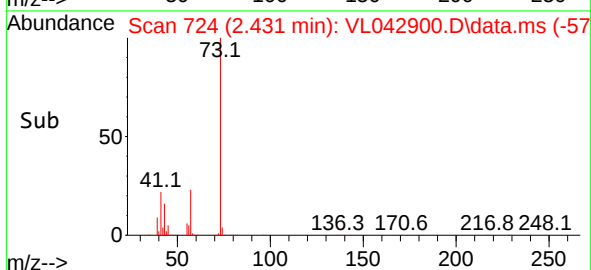
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025

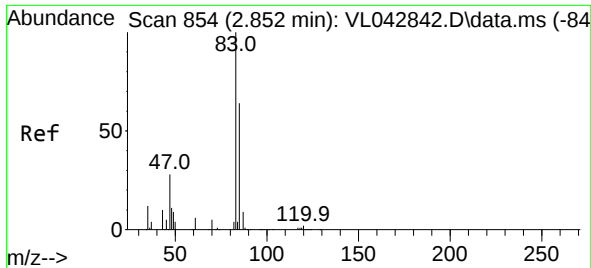


#28
Methyl tert-Butyl Ether
Concen: 8.986 ppbv
RT: 2.431 min Scan# 724
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05



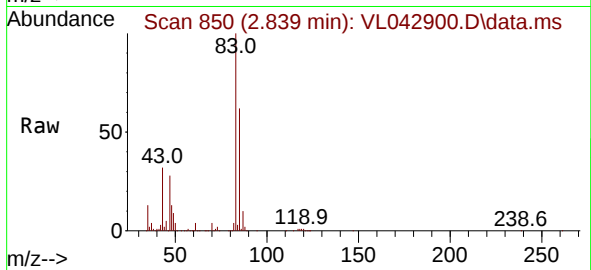
Tgt Ion: 73 Resp: 85774
Ion Ratio Lower Upper
73 100
57 23.3 21.6 32.4





#29
Chloroform
Concen: 10.538 ppbv
RT: 2.839 min Scan# 854
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

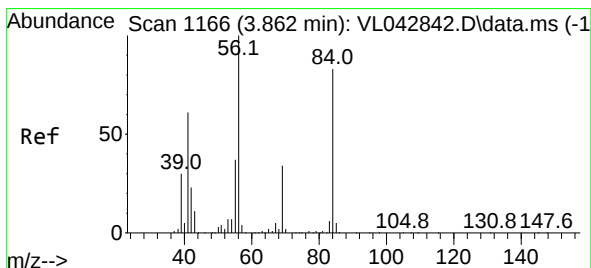
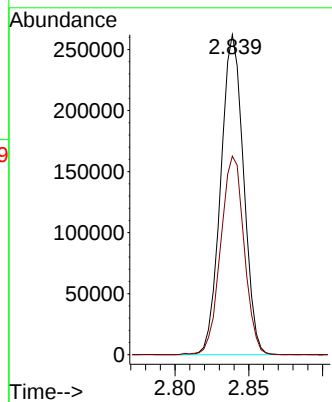
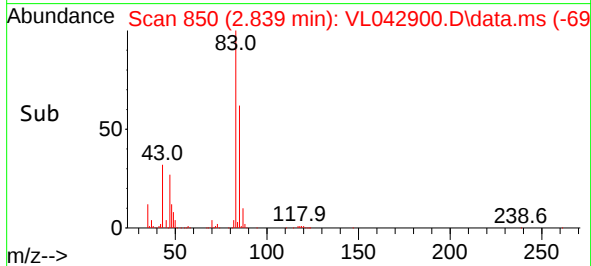
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 83 Resp: 281659
Ion Ratio Lower Upper
83 100
85 62.0 51.1 76.7

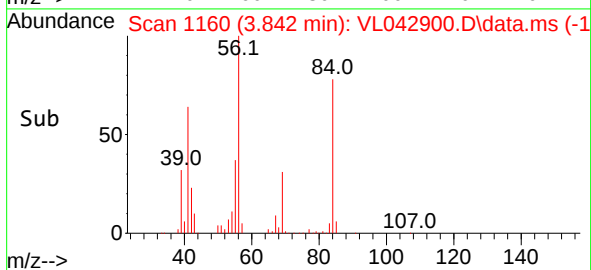
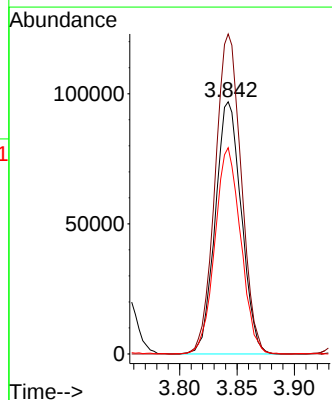
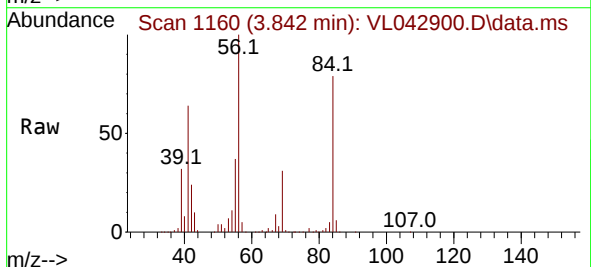
Manual Integrations
APPROVED

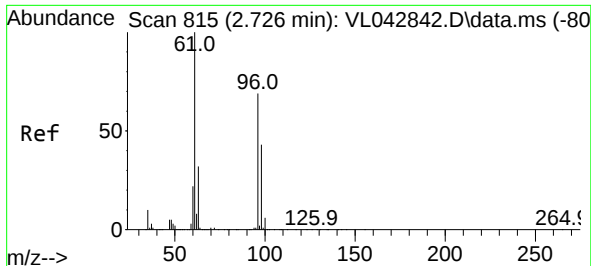
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#30
Cyclohexane
Concen: 9.326 ppbv
RT: 3.842 min Scan# 1160
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

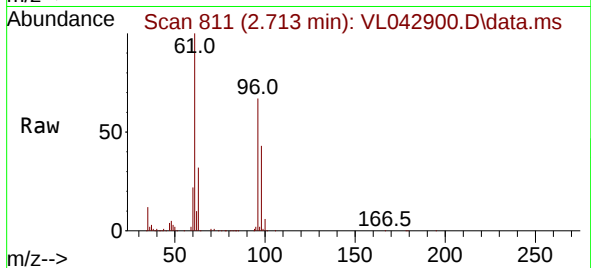
Tgt Ion: 84 Resp: 153066
Ion Ratio Lower Upper
84 100
56 127.0 98.8 148.2
41 81.3 61.3 91.9





#31
 cis-1,2-Dichloroethene
 Concen: 9.765 ppbv
 RT: 2.713 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VL042900.D
 Acq: 08 Sep 2025 11:05

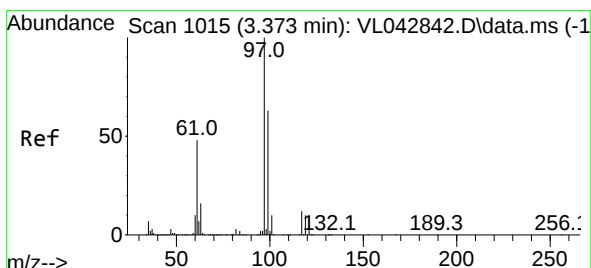
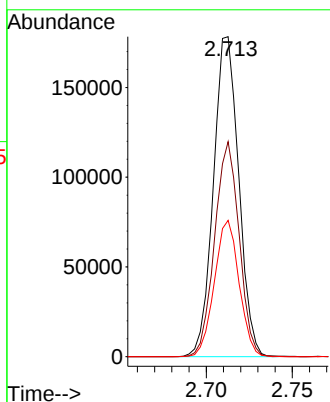
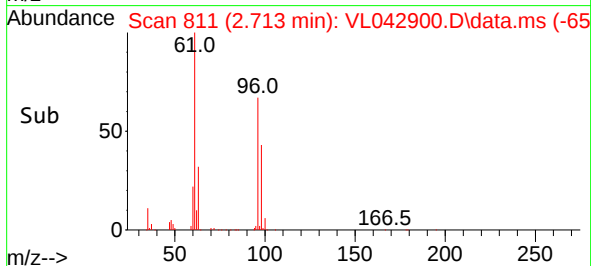
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



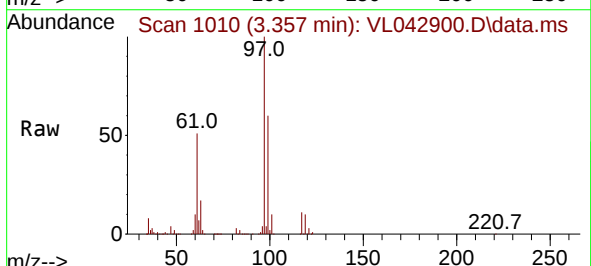
Tgt Ion: 61 Resp: 182592
 Ion Ratio Lower Upper
 61 100
 96 67.1 55.0 82.6
 98 42.6 34.3 51.5

Manual Integrations
 APPROVED

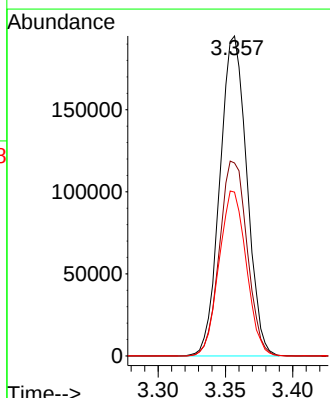
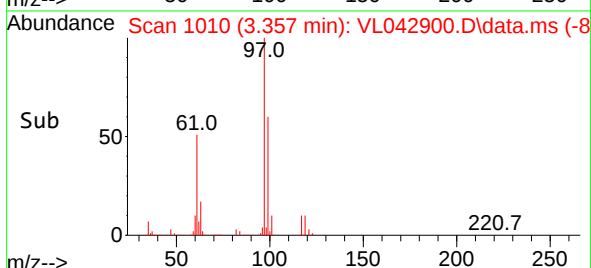
Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025

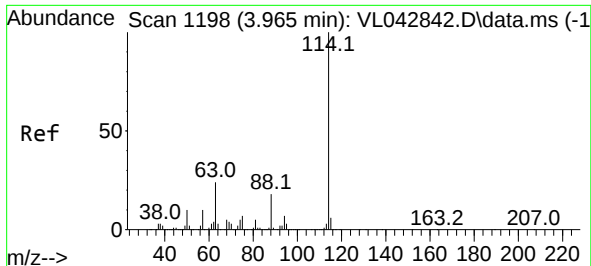


#32
 1,1,1-Trichloroethane
 Concen: 9.609 ppbv
 RT: 3.357 min Scan# 1010
 Delta R.T. 0.000 min
 Lab File: VL042900.D
 Acq: 08 Sep 2025 11:05



Tgt Ion: 97 Resp: 271429
 Ion Ratio Lower Upper
 97 100
 99 62.5 51.0 76.6
 61 52.2 38.0 57.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.943 min Scan# 1191

Delta R.T. 0.000 min

Lab File: VL042900.D

Acq: 08 Sep 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:114 Resp: 333600

Ion Ratio Lower Upper

114 100

63 26.3 19.7 29.5

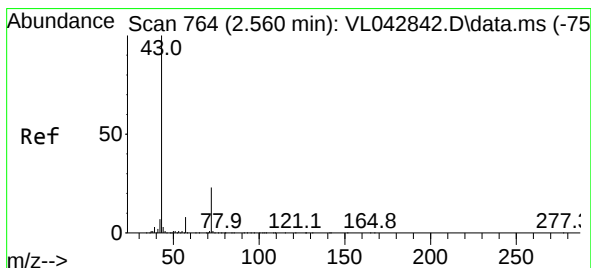
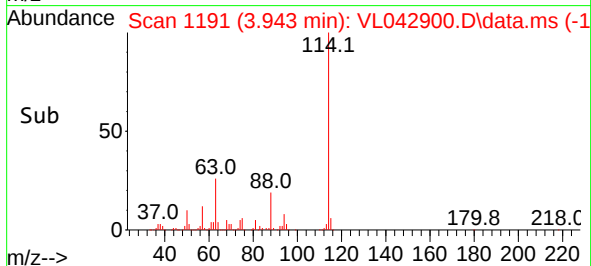
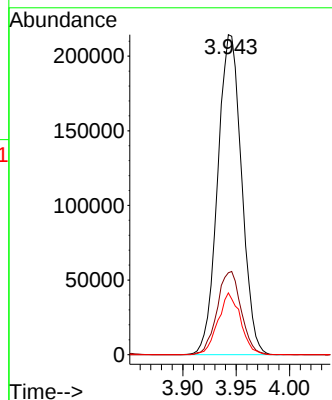
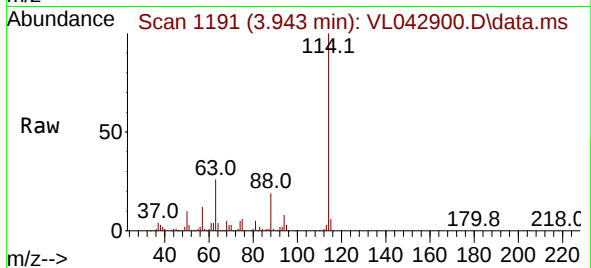
88 18.2 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025

Supervised By :Mahesh Dadoda 09/11/2025



#34

2-Butanone

Concen: 12.107 ppbv

RT: 2.548 min Scan# 760

Delta R.T. 0.000 min

Lab File: VL042900.D

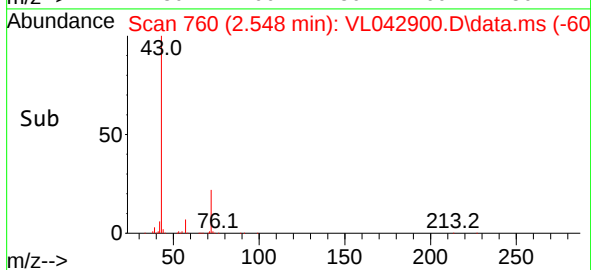
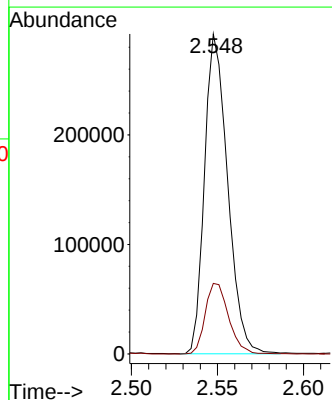
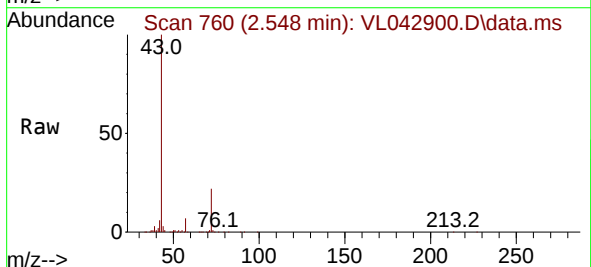
Acq: 08 Sep 2025 11:05

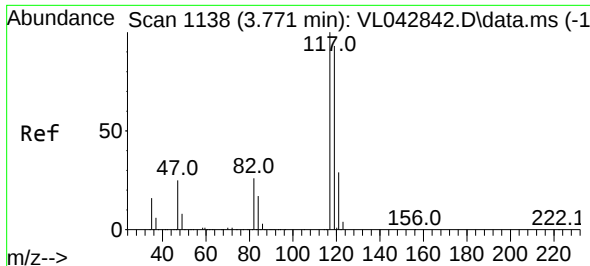
Tgt Ion: 43 Resp: 272735

Ion Ratio Lower Upper

43 100

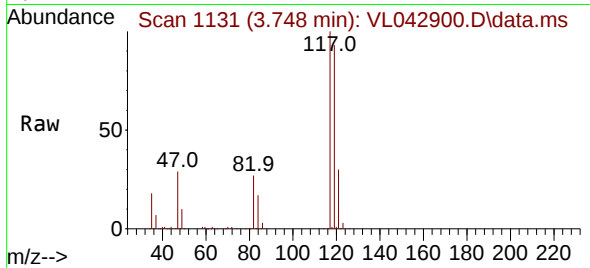
72 22.4 18.6 28.0





#35
Carbon Tetrachloride
Concen: 11.700 ppbv
RT: 3.748 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

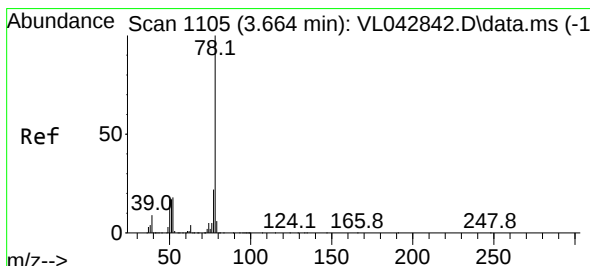
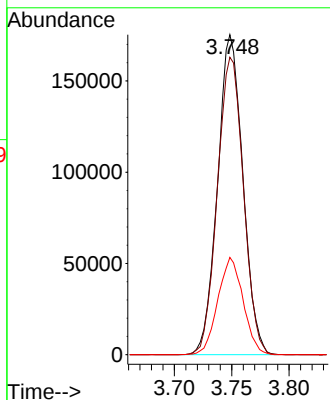
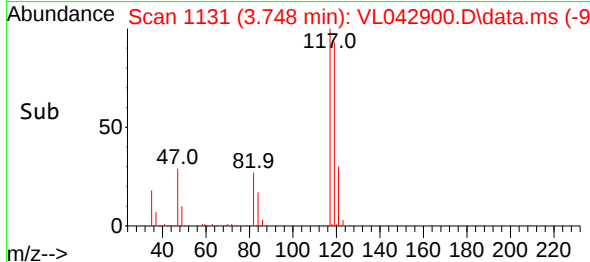
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



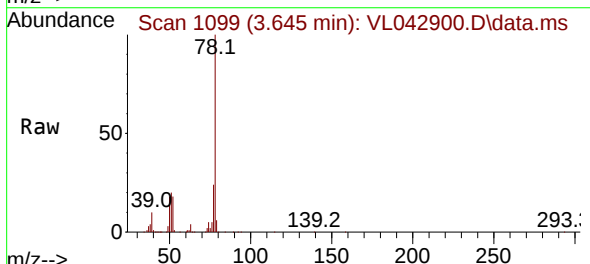
Tgt Ion:117 Resp: 26909
Ion Ratio Lower Upper
117 100
119 93.0 74.7 112.1
121 30.4 23.2 34.8

Manual Integrations
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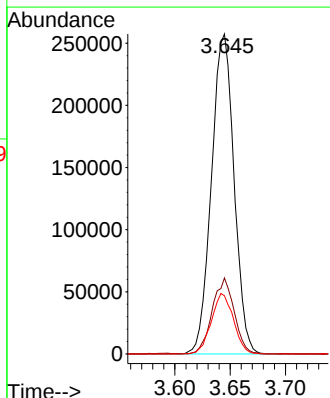
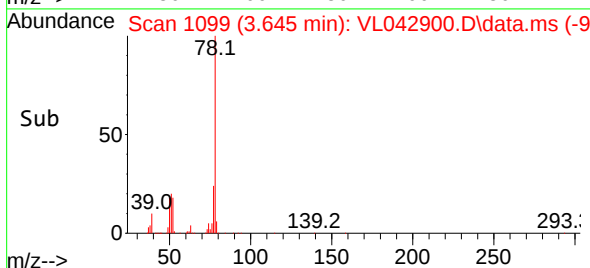
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025

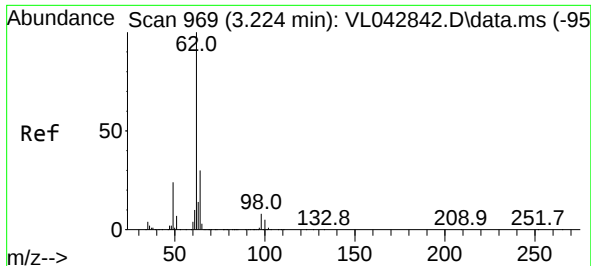


#36
Benzene
Concen: 11.458 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05



Tgt Ion: 78 Resp: 366027
Ion Ratio Lower Upper
78 100
77 23.7 17.7 26.5
50 18.2 13.9 20.9





#37

1,2-Dichloroethane

Concen: 12.686 ppbv

RT: 3.208 min Scan# 9

Delta R.T. 0.000 min

Lab File: VL042900.D

Acq: 08 Sep 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 211728

Ion Ratio Lower Upper

62 100

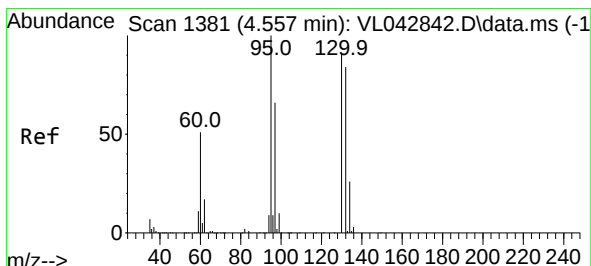
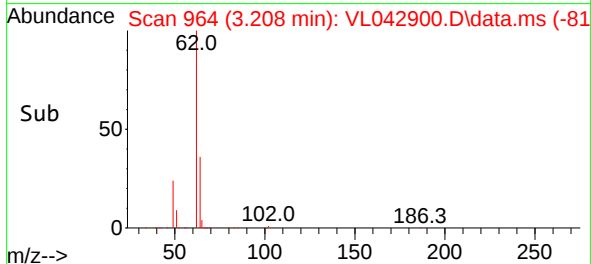
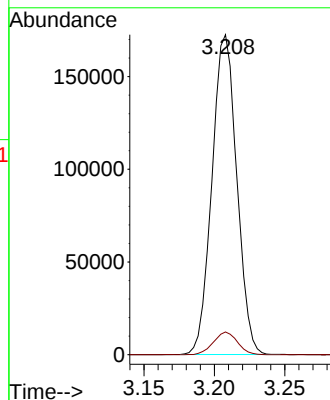
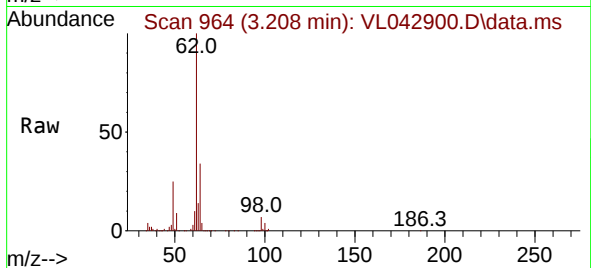
98 6.9 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025

Supervised By :Mahesh Dadoda 09/11/2025



#38

Trichloroethene

Concen: 10.413 ppbv

RT: 4.532 min Scan# 1373

Delta R.T. 0.000 min

Lab File: VL042900.D

Acq: 08 Sep 2025 11:05

Tgt Ion:130 Resp: 151915

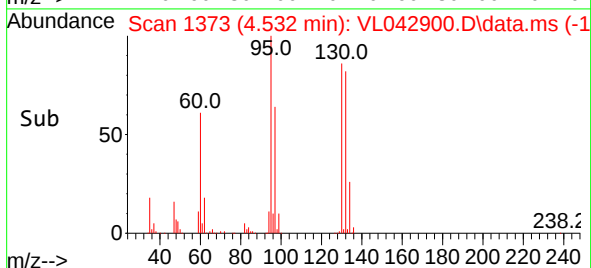
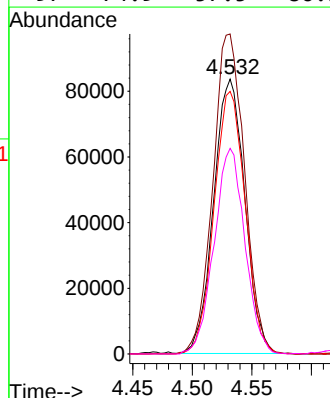
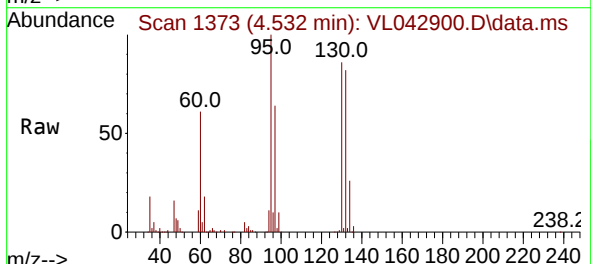
Ion Ratio Lower Upper

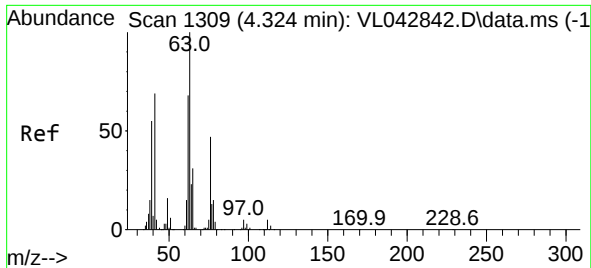
130 100

95 116.1 87.6 131.4

132 95.4 73.8 110.8

97 74.9 57.5 86.3





#39

1,2-Dichloropropane

Concen: 11.970 ppbv

RT: 4.299 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VL042900.D

Acq: 08 Sep 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

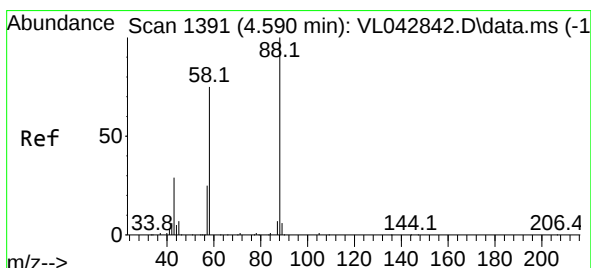
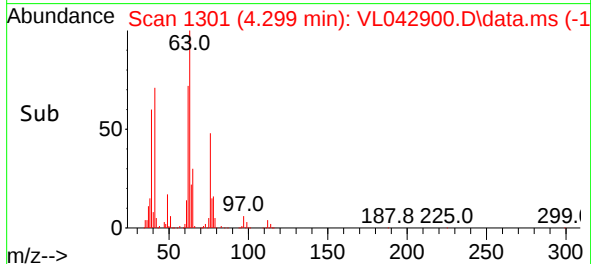
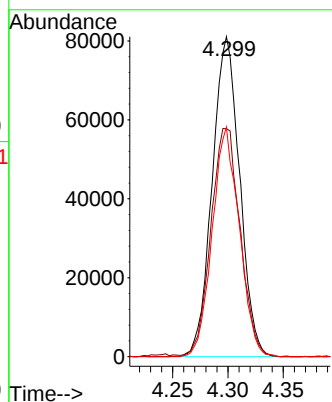
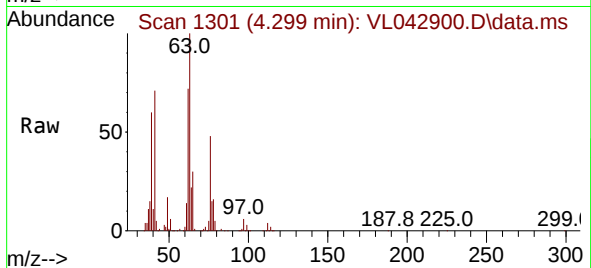
Tgt Ion: 63 Resp: 13965

Ion	Ratio	Lower	Upper
63	100		
41	71.2	55.0	82.4
62	71.8	54.4	81.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#40

1,4-Dioxane

Concen: 10.096 ppbv

RT: 4.561 min Scan# 1382

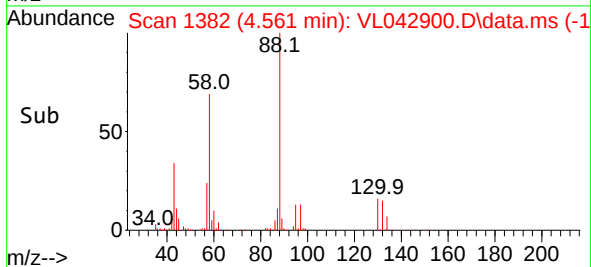
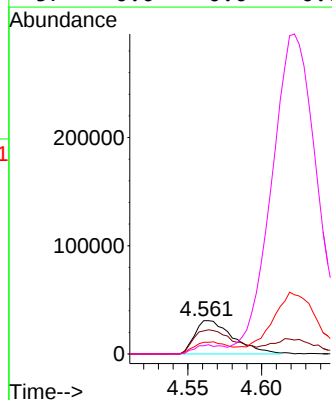
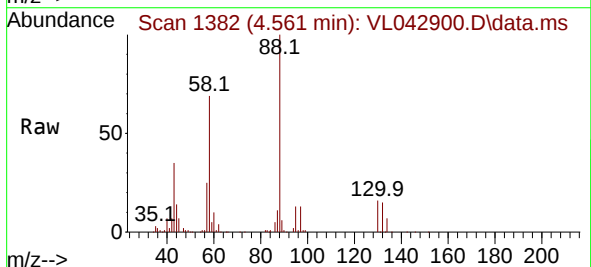
Delta R.T. 0.000 min

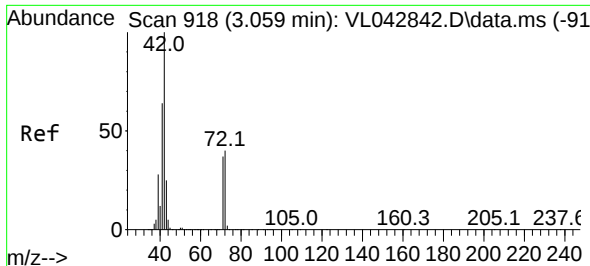
Lab File: VL042900.D

Acq: 08 Sep 2025 11:05

Tgt Ion: 88 Resp: 56013

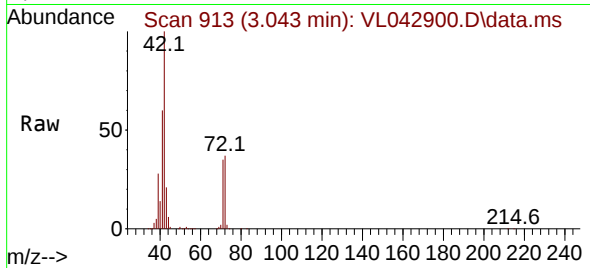
Ion	Ratio	Lower	Upper
88	100		
58	76.6	53.8	80.6
43	35.7	22.8	34.2
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 11.863 ppbv
RT: 3.043 min Scan# 918
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

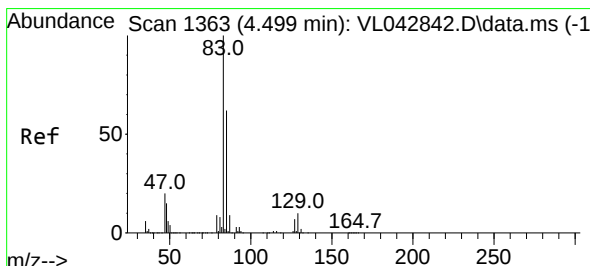
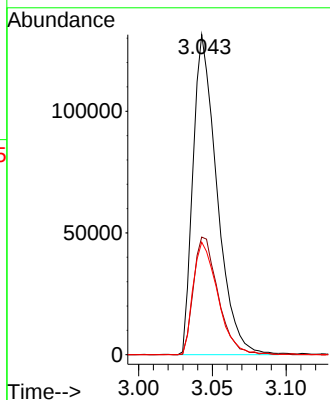
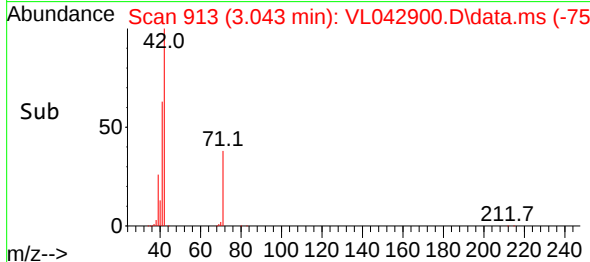
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 42 Resp: 148990
Ion Ratio Lower Upper
42 100
72 37.6 32.6 48.8
71 36.3 30.0 45.0

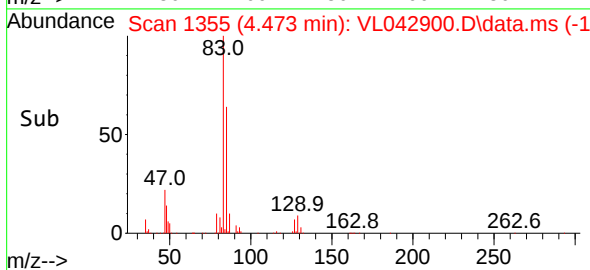
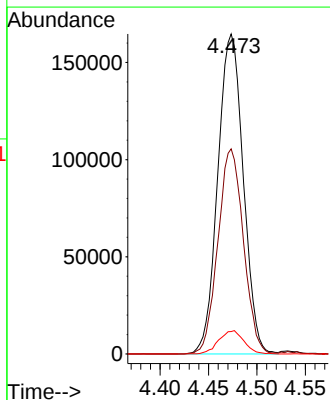
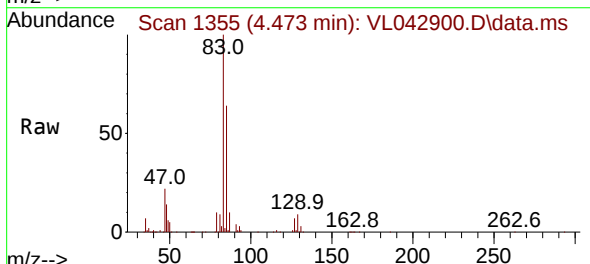
Manual Integrations
APPROVED

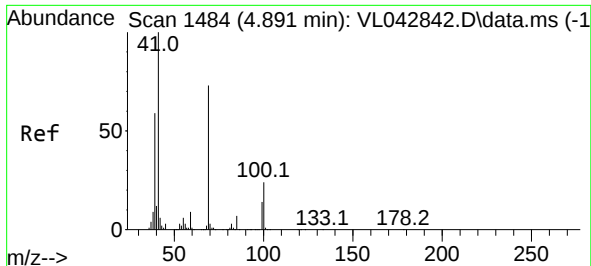
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#42
Bromodichloromethane
Concen: 12.136 ppbv
RT: 4.473 min Scan# 1355
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

Tgt Ion: 83 Resp: 301814
Ion Ratio Lower Upper
83 100
85 64.1 49.8 74.8
127 7.0 5.8 8.6





#43
Methyl Methacrylate
Concen: 10.776 ppbv
RT: 4.859 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

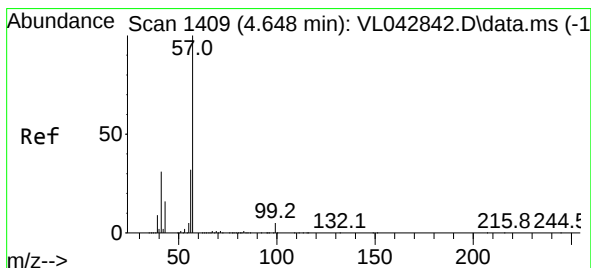
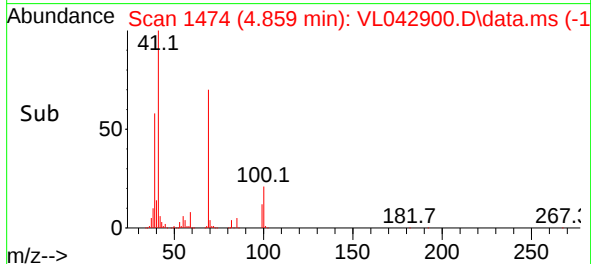
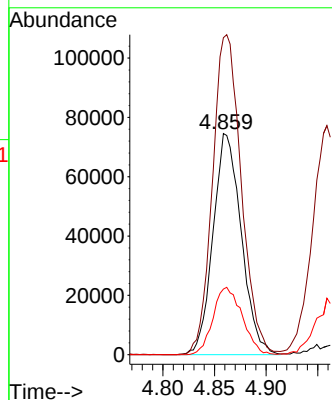
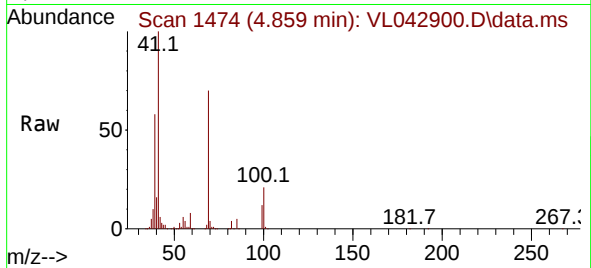
VSTDCCC010

Tgt Ion: 69 Resp: 14181
Ion Ratio Lower Upper
69 100
41 147.4 114.6 172.0
100 31.5 30.2 45.4

Manual Integrations

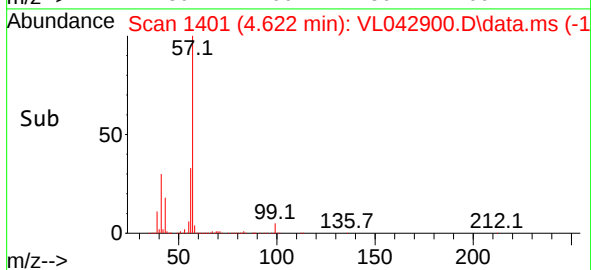
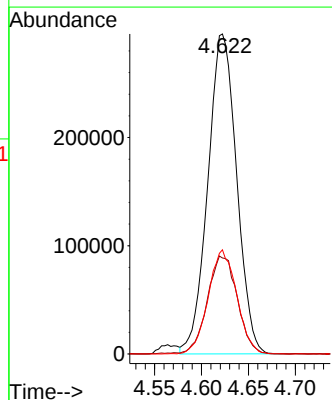
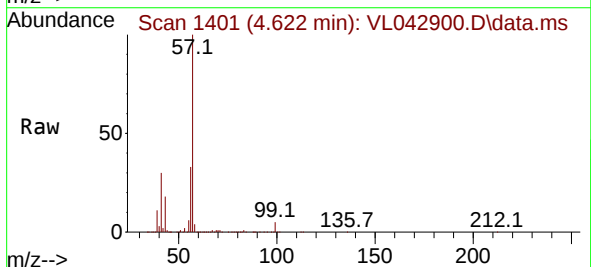
APPROVED

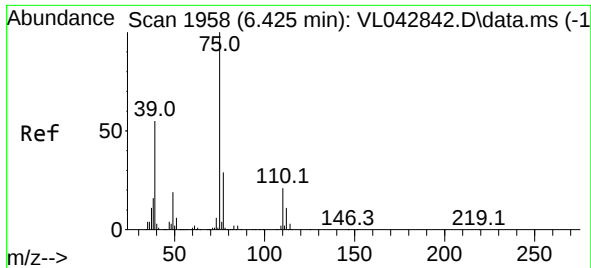
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#44
2,2,4-Trimethylpentane
Concen: 11.642 ppbv
RT: 4.622 min Scan# 1401
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

Tgt Ion: 57 Resp: 631245
Ion Ratio Lower Upper
57 100
41 32.0 24.8 37.2
56 32.2 25.5 38.3





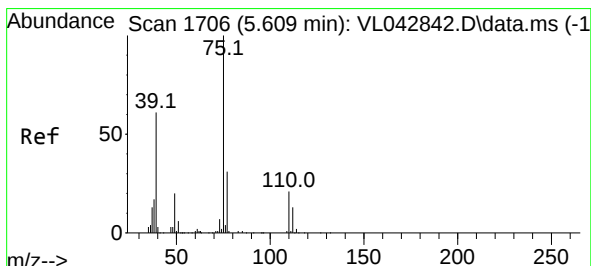
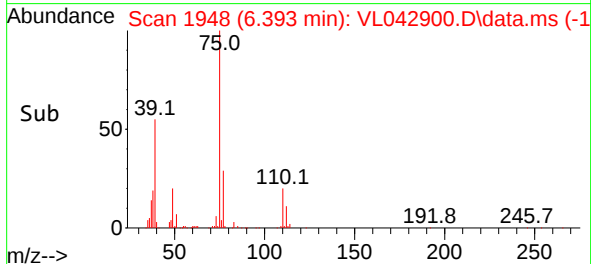
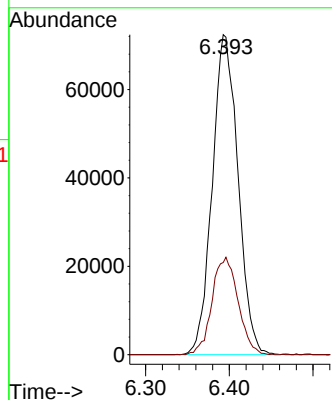
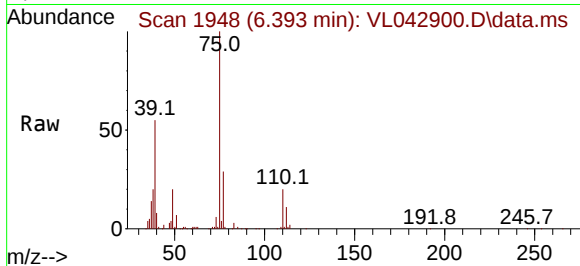
#45
t-1,3-Dichloropropene
Concen: 10.411 ppbv
RT: 6.393 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 15462
Ion Ratio Lower Upper
75 100
77 28.8 23.8 35.6

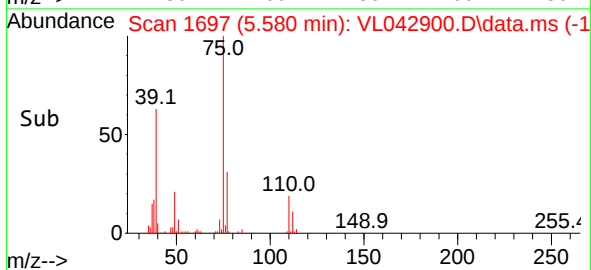
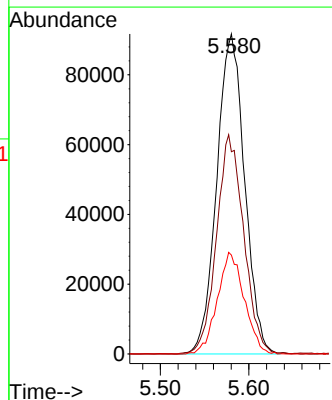
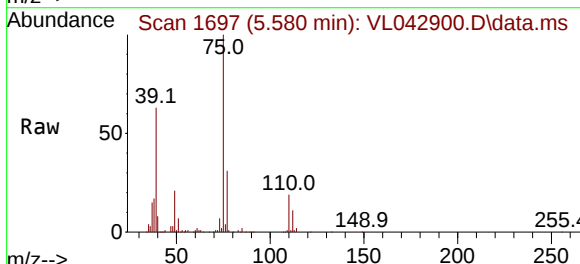
Manual Integrations
APPROVED

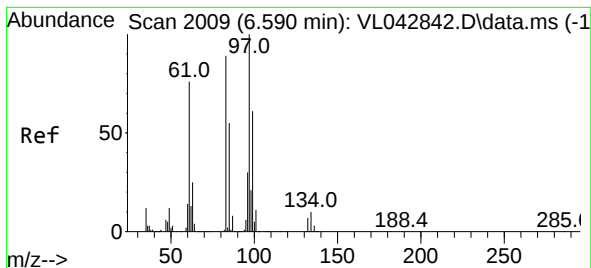
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#46
cis-1,3-Dichloropropene
Concen: 10.851 ppbv
RT: 5.580 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

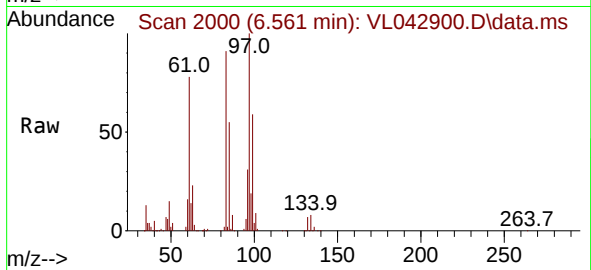
Tgt Ion: 75 Resp: 200797
Ion Ratio Lower Upper
75 100
39 63.0 48.9 73.3
77 30.9 24.9 37.3





#47
1,1,2-Trichloroethane
Concen: 11.666 ppbv
RT: 6.561 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

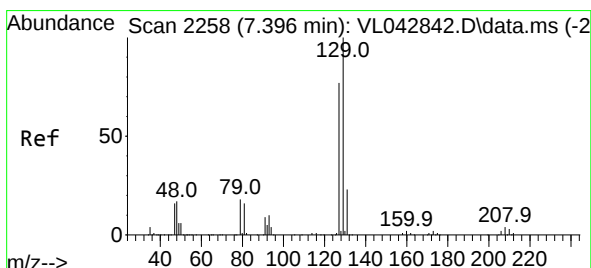
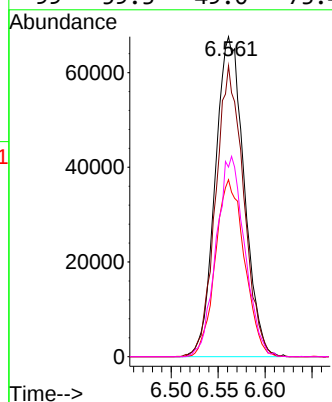
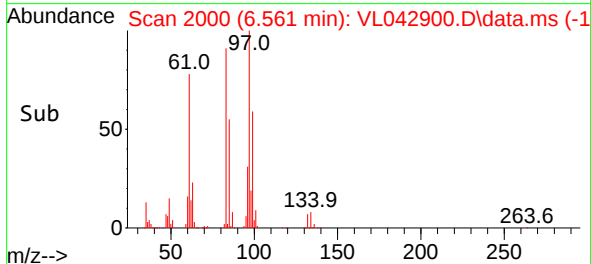
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 97 Resp: 144209
Ion Ratio Lower Upper
97 100
83 90.9 71.0 106.4
85 55.2 43.6 65.4
99 59.3 49.0 73.4

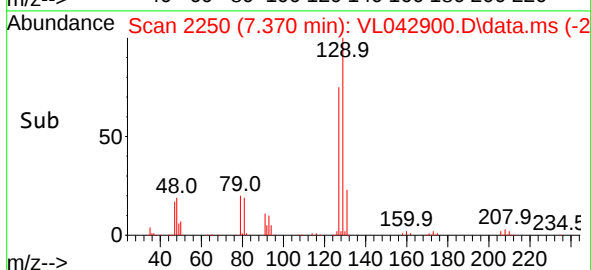
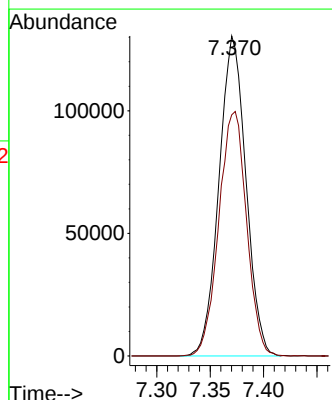
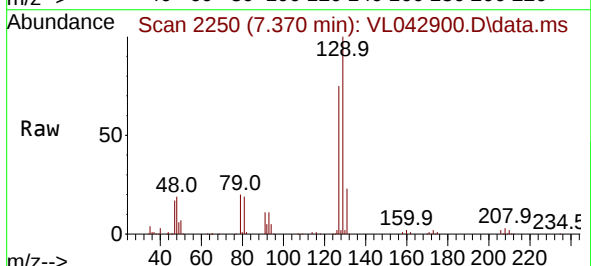
Manual Integrations
APPROVED

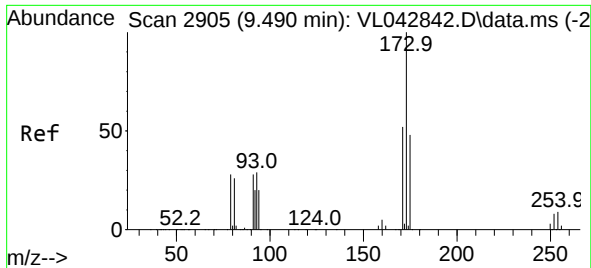
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#48
Dibromochloromethane
Concen: 11.430 ppbv
RT: 7.370 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

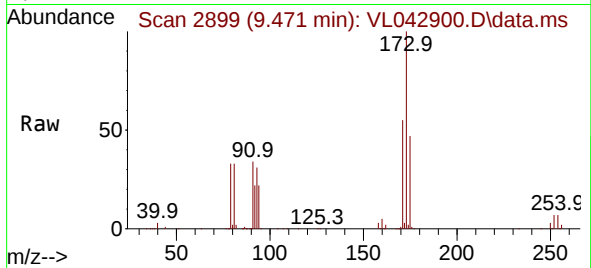
Tgt Ion:129 Resp: 228649
Ion Ratio Lower Upper
129 100
127 78.7 39.4 118.2





#49
Bromoform
Concen: 11.158 ppbv
RT: 9.471 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

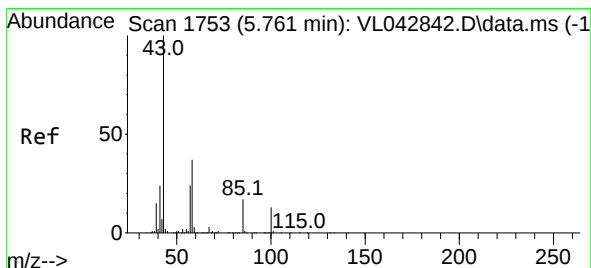
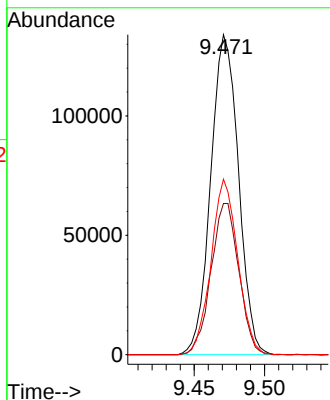
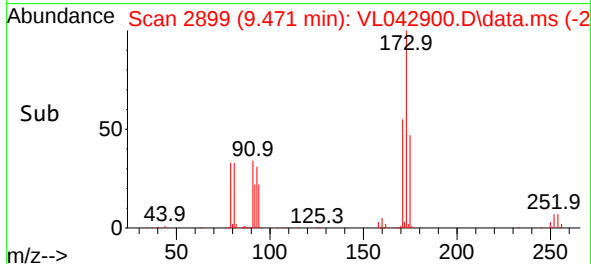
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:173 Resp: 18406
Ion Ratio Lower Upper
173 100
175 47.4 39.2 58.8
171 52.8 41.3 61.9

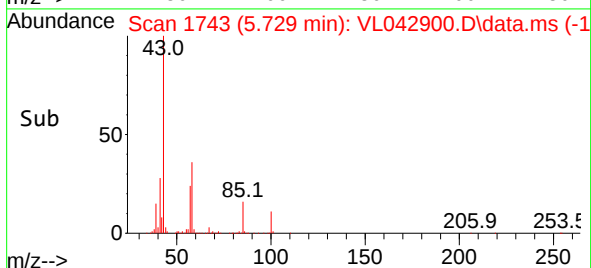
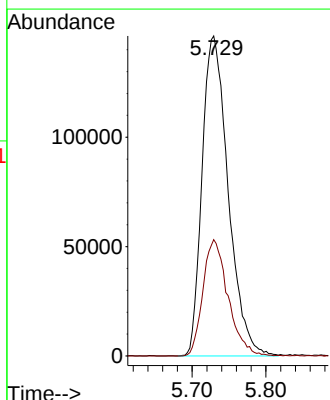
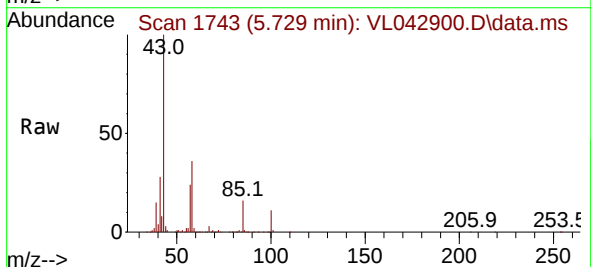
Manual Integrations
APPROVED

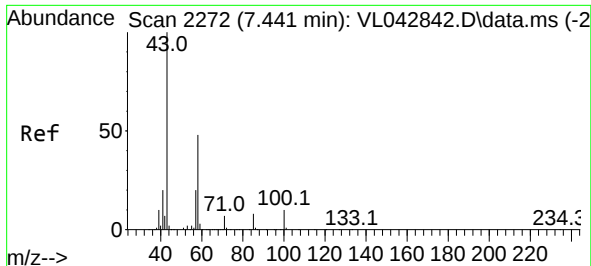
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#50
4-Methyl-2-Pentanone
Concen: 11.801 ppbv
RT: 5.729 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

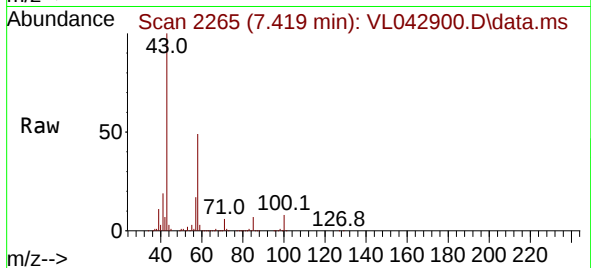
Tgt Ion: 43 Resp: 359329
Ion Ratio Lower Upper
43 100
58 35.0 29.8 44.8





#51
2-Hexanone
Concen: 11.872 ppbv
RT: 7.419 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

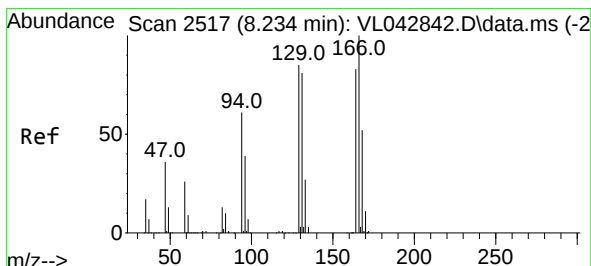
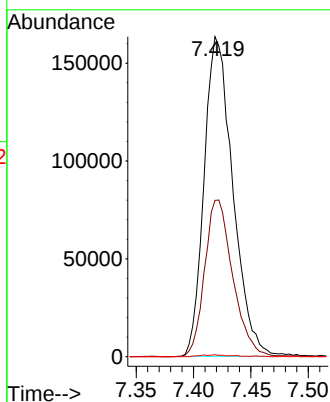
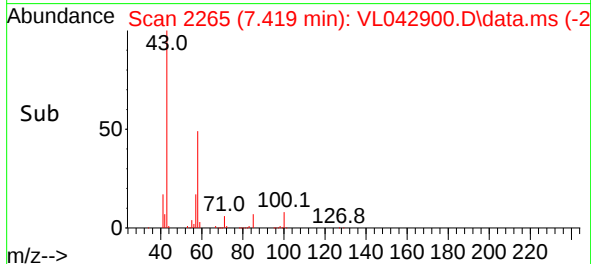
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 284454
Ion Ratio Lower Upper
43 100
58 48.1 41.0 61.6
98 0.7 0.1 0.1

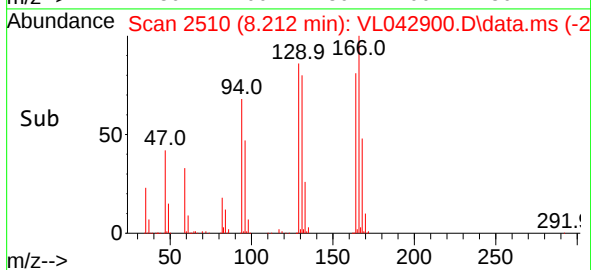
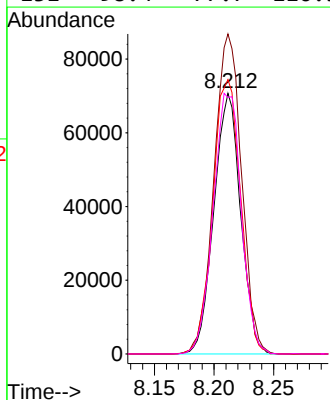
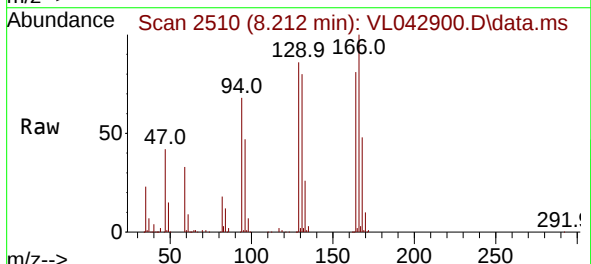
Manual Integrations
APPROVED

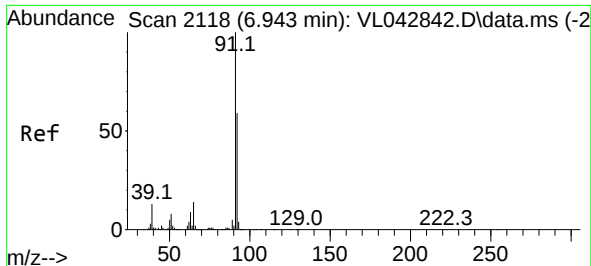
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#52
Tetrachloroethene
Concen: 9.547 ppbv
RT: 8.212 min Scan# 2510
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

Tgt Ion:164 Resp: 110334
Ion Ratio Lower Upper
164 100
166 122.8 96.5 144.7
129 105.2 81.8 122.6
131 98.4 77.7 116.5





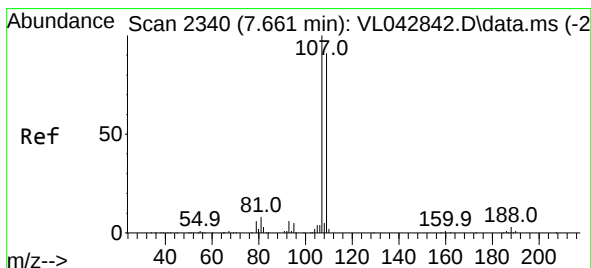
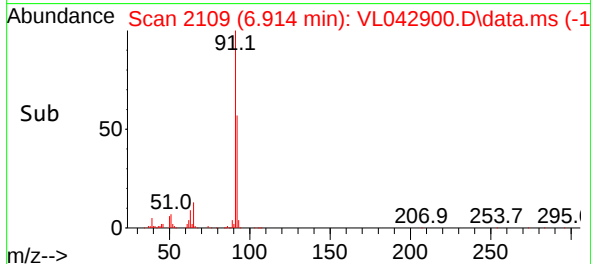
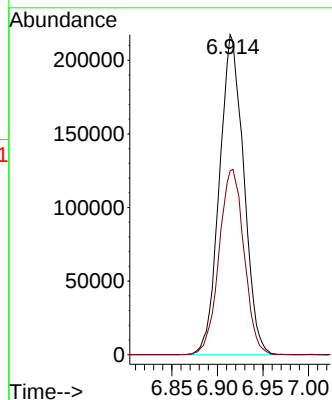
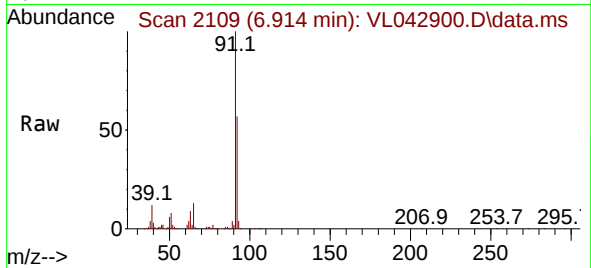
#53
Toluene
Concen: 10.587 ppbv
RT: 6.914 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 402080
Ion Ratio Lower Upper
91 100
92 59.7 47.8 71.6

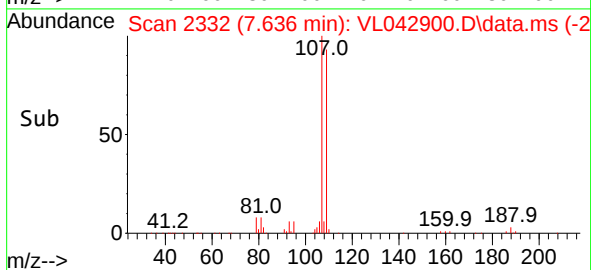
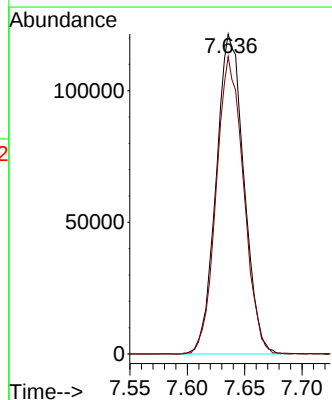
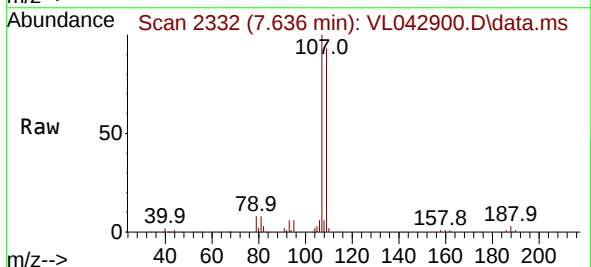
Manual Integrations
APPROVED

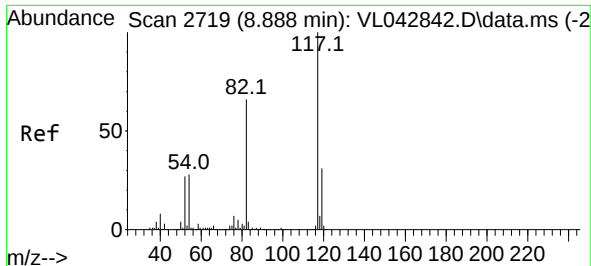
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#54
1,2-Dibromoethane
Concen: 11.307 ppbv
RT: 7.636 min Scan# 2332
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

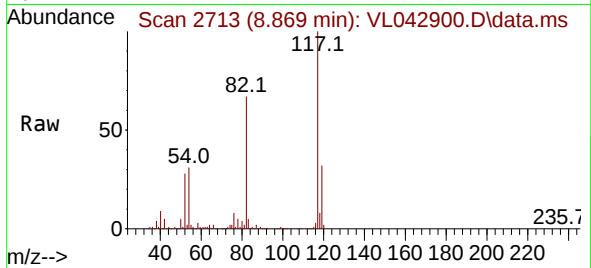
Tgt Ion:107 Resp: 204276
Ion Ratio Lower Upper
107 100
109 92.9 72.5 108.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

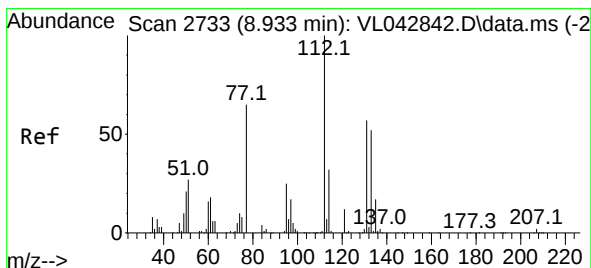
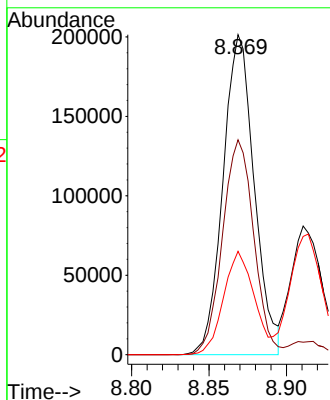
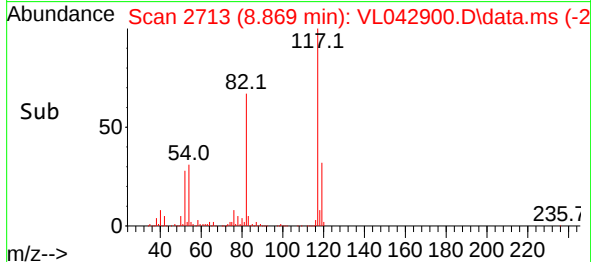
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:117 Resp: 282770
Ion Ratio Lower Upper
117 100
82 71.7 54.6 81.8
119 33.1 25.9 38.9

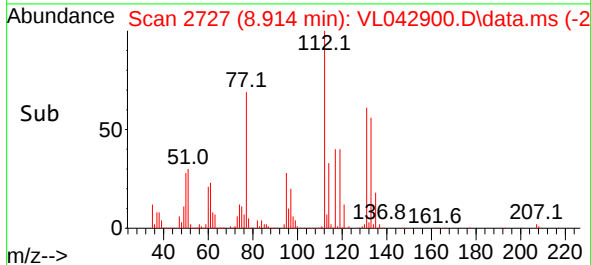
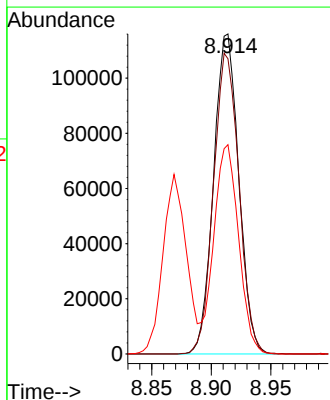
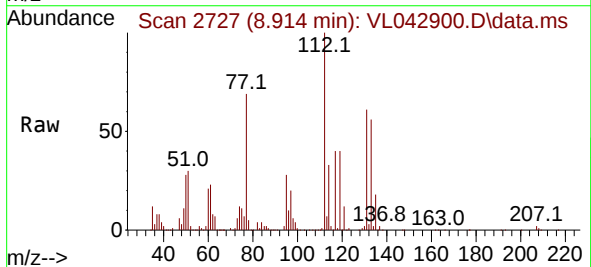
Manual Integrations
APPROVED

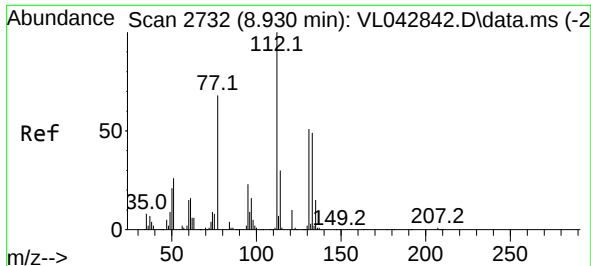
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 11.648 ppbv
RT: 8.914 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

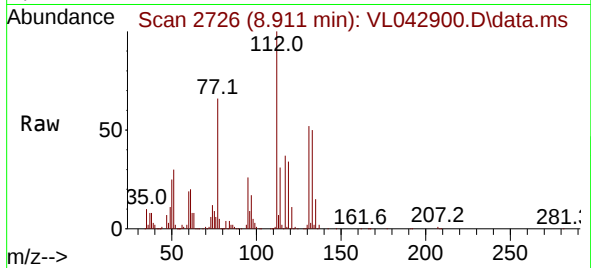
Tgt Ion:131 Resp: 170319
Ion Ratio Lower Upper
131 100
133 95.2 77.4 116.0
119 63.9 51.2 76.8





#57
Chlorobenzene
Concen: 11.581 ppbv
RT: 8.911 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

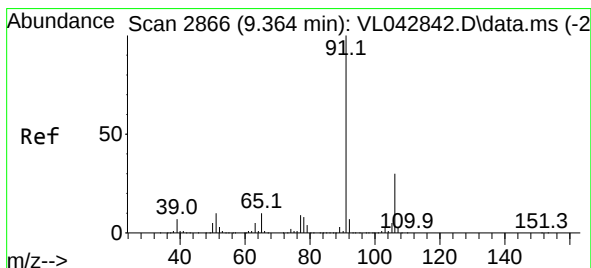
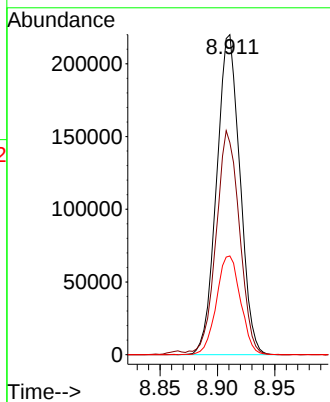
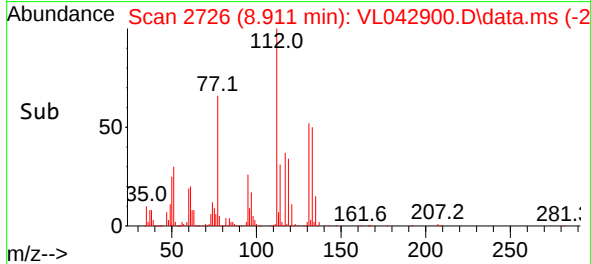
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:112 Resp: 31137
Ion Ratio Lower Upper
112 100
77 66.1 55.5 83.3
114 30.8 27.2 33.2

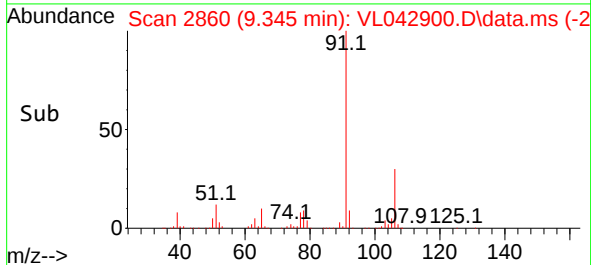
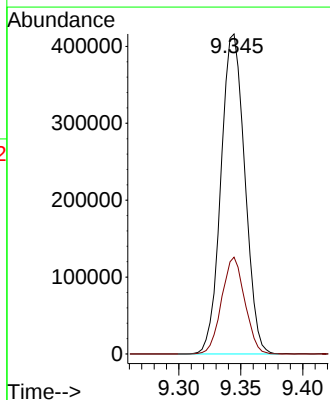
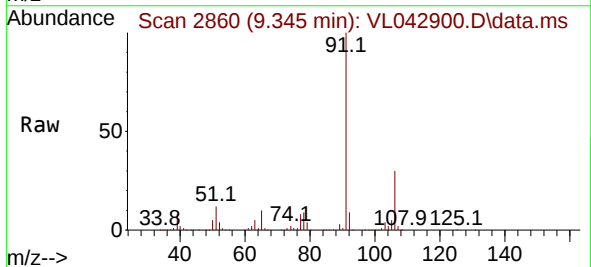
Manual Integrations
APPROVED

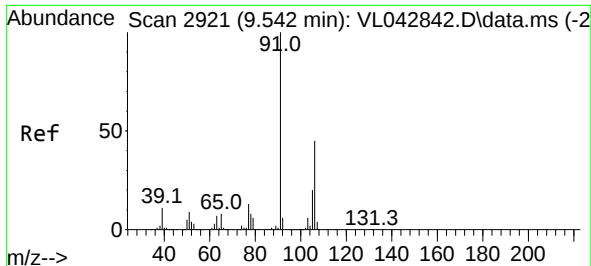
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#58
Ethyl Benzene
Concen: 11.184 ppbv
RT: 9.345 min Scan# 2860
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

Tgt Ion: 91 Resp: 558102
Ion Ratio Lower Upper
91 100
106 30.3 23.9 35.9





#59

m/p-Xylene

Concen: 23.388 ppbv m

RT: 9.539 min Scan# 29

Delta R.T. 0.000 min

Lab File: VL042900.D

Acq: 08 Sep 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 91478

Ion Ratio Lower Upper

91 100

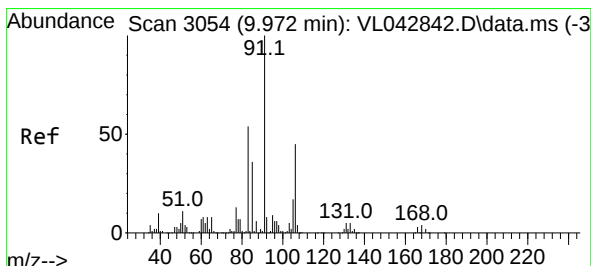
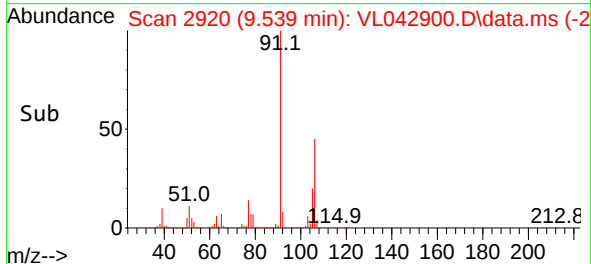
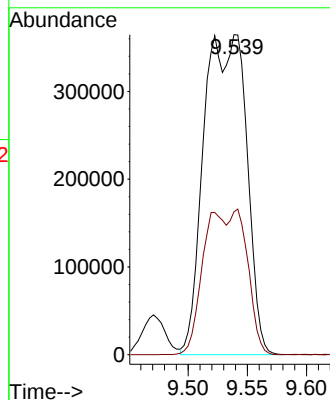
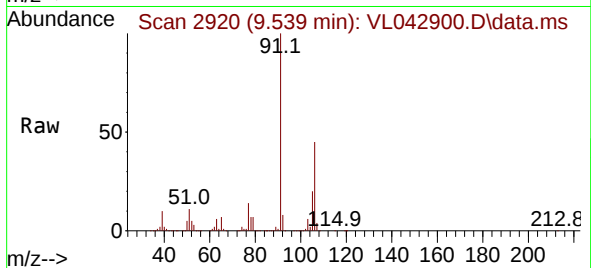
106 45.8 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025

Supervised By :Mahesh Dadoda 09/11/2025



#60

o-Xylene

Concen: 11.716 ppbv

RT: 9.953 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VL042900.D

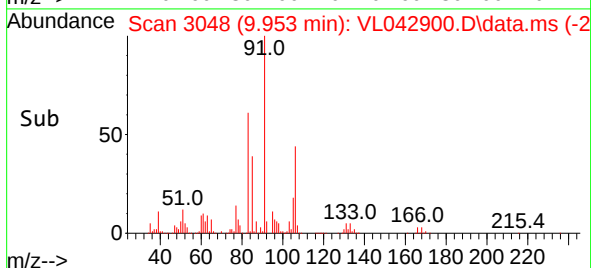
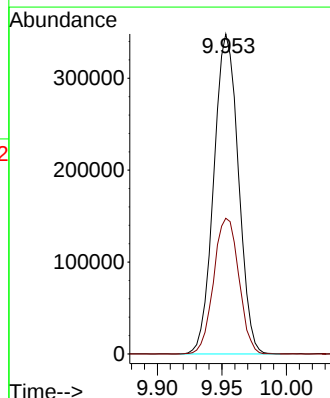
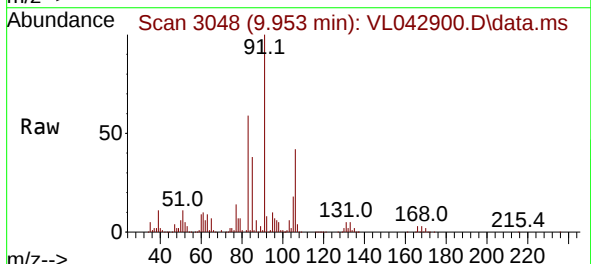
Acq: 08 Sep 2025 11:05

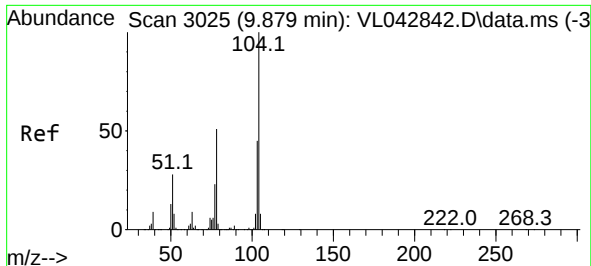
Tgt Ion: 91 Resp: 460968

Ion Ratio Lower Upper

91 100

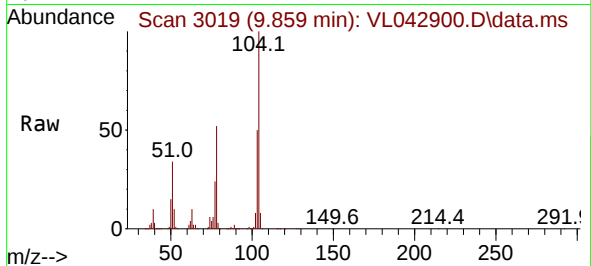
106 43.4 21.8 65.4





#61
Styrene
Concen: 10.579 ppbv
RT: 9.859 min Scan# 3025
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

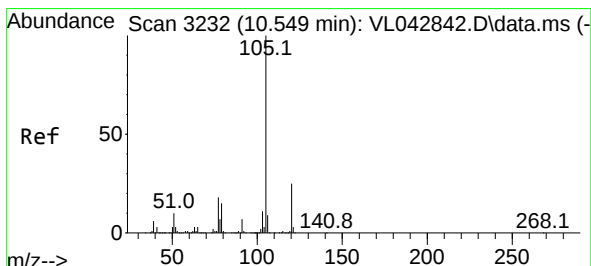
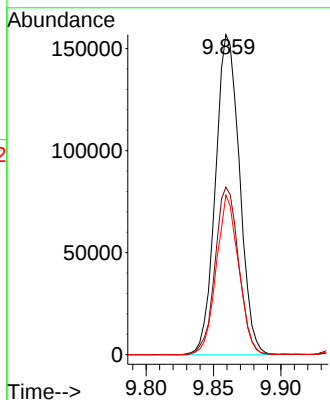
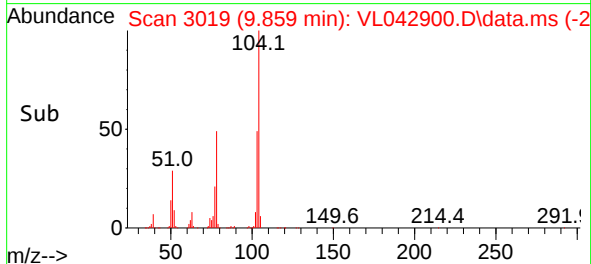
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:104 Resp: 19500
Ion Ratio Lower Upper
104 100
78 51.3 40.6 61.0
103 46.6 37.7 56.5

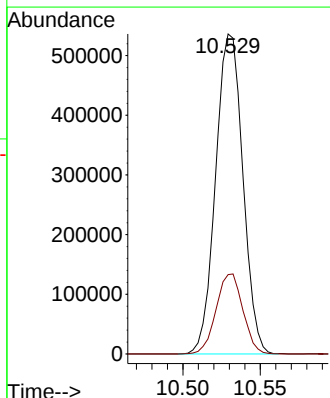
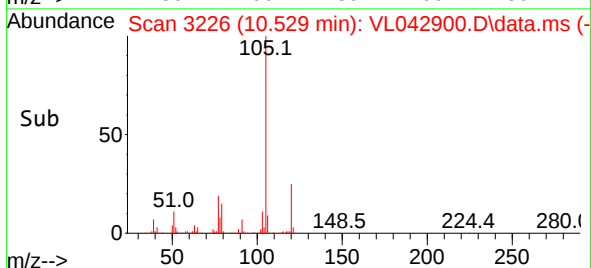
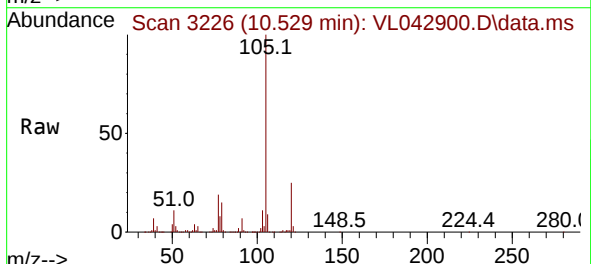
Manual Integrations
APPROVED

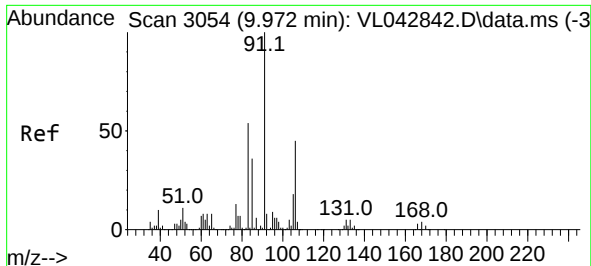
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#62
Isopropylbenzene
Concen: 11.394 ppbv
RT: 10.529 min Scan# 3226
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

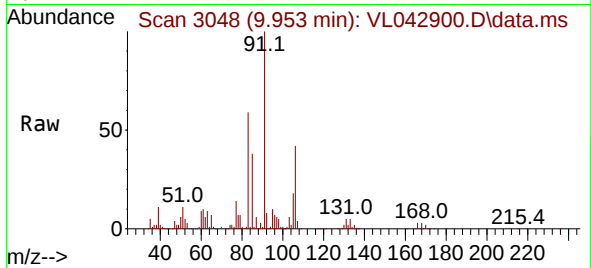
Tgt Ion:105 Resp: 655164
Ion Ratio Lower Upper
105 100
120 24.5 20.6 30.8





#63
1,1,2,2-Tetrachloroethane
Concen: 12.314 ppbv
RT: 9.953 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

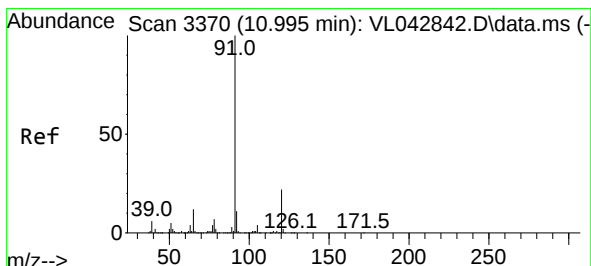
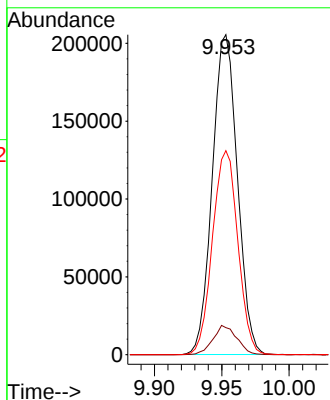
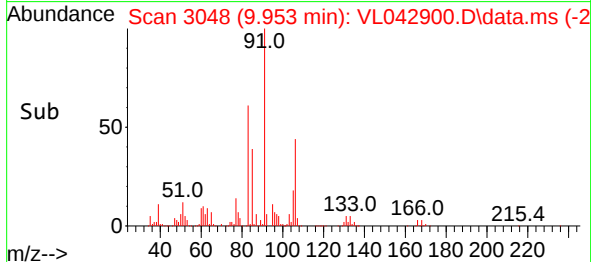
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



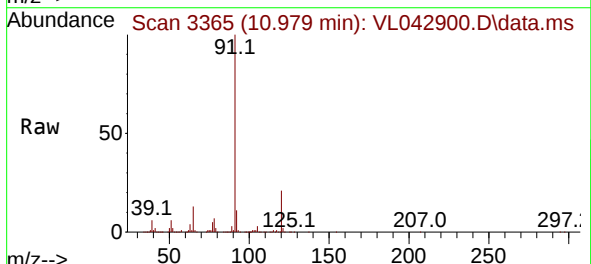
Tgt Ion: 83 Resp: 266435
Ion Ratio Lower Upper
83 100
131 8.7 4.8 14.3
85 64.5 32.3 96.8

Manual Integrations
APPROVED

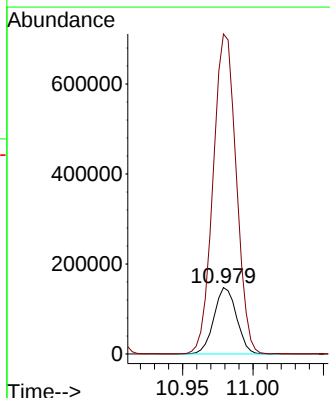
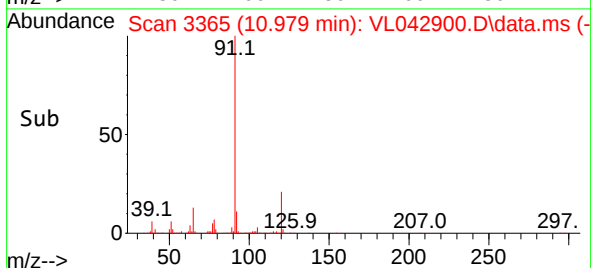
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025

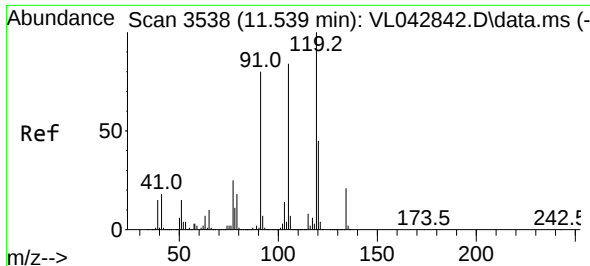


#64
n-propylbenzene
Concen: 11.220 ppbv
RT: 10.979 min Scan# 3365
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05



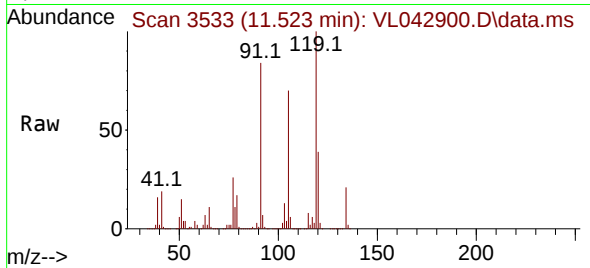
Tgt Ion:120 Resp: 164610
Ion Ratio Lower Upper
120 100
91 495.9 375.8 563.6





#65
tert-Butylbenzene
Concen: 11.075 ppbv
RT: 11.523 min Scan# 3533
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

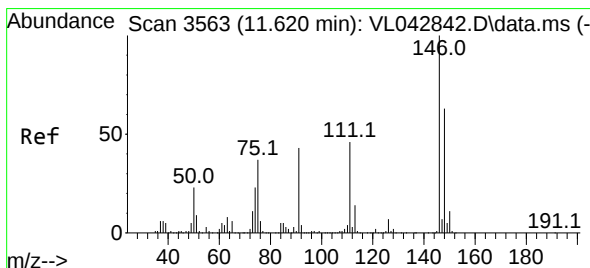
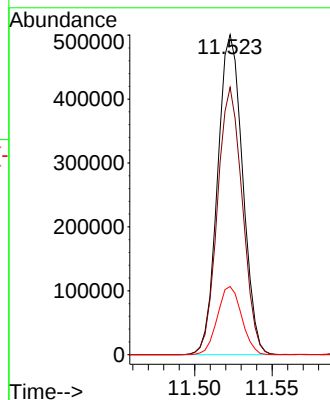
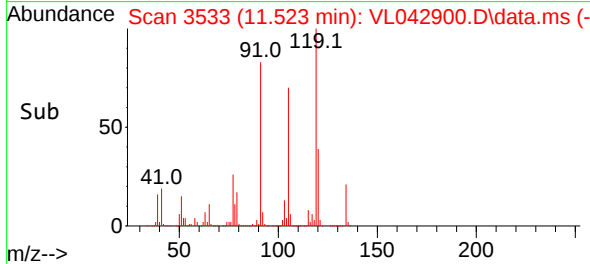
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



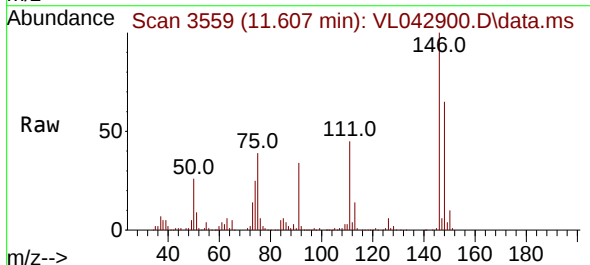
Tgt Ion: 119 Resp: 561409
Ion Ratio Lower Upper
119 100
91 83.4 63.9 95.9
134 20.6 17.0 25.4

Manual Integrations
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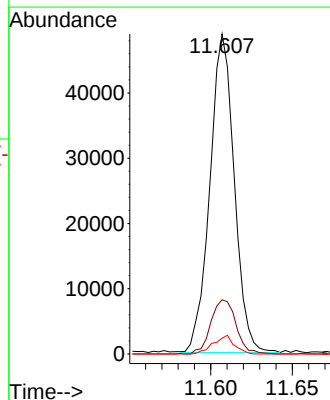
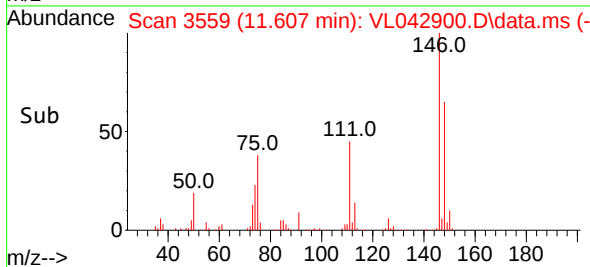
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025

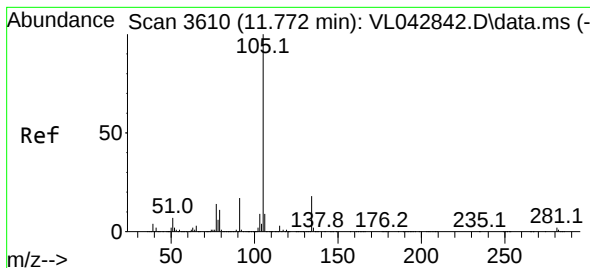


#66
Benzyl Chloride
Concen: 7.895 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05



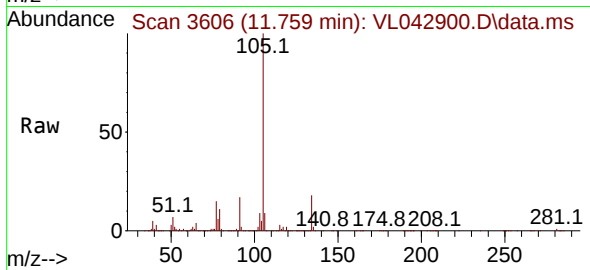
Tgt Ion: 91 Resp: 50803
Ion Ratio Lower Upper
91 100
126 17.5 14.2 21.4
128 5.0 5.0 7.6#





#67
 sec-Butylbenzene
 Concen: 11.709 ppbv
 RT: 11.759 min Scan# 3610
 Delta R.T. 0.000 min
 Lab File: VL042900.D
 Acq: 08 Sep 2025 11:05

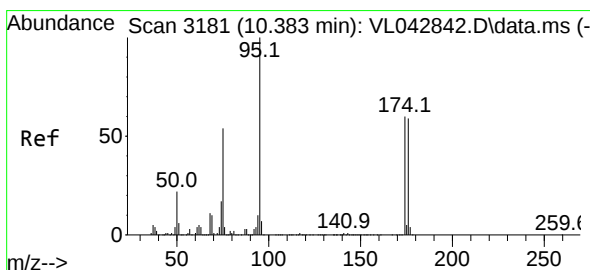
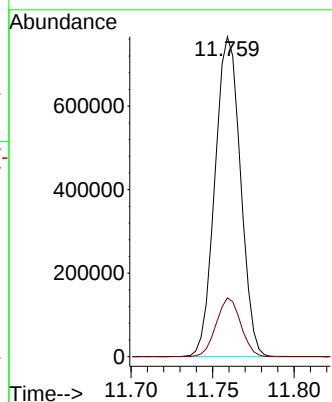
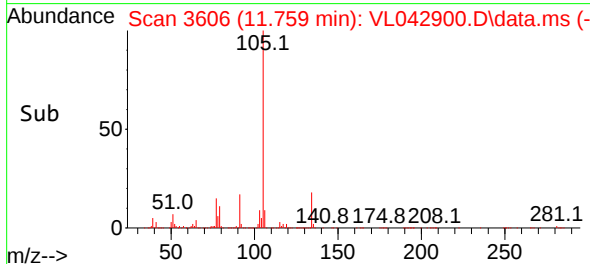
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



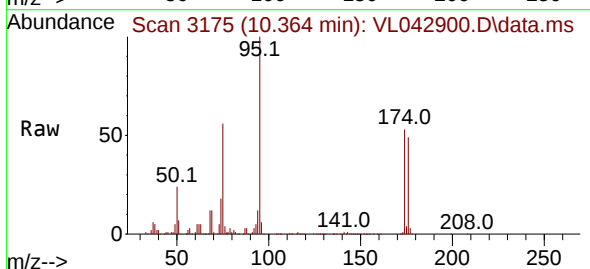
Tgt Ion:105 Resp: 833114
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.9 22.3

Manual Integrations
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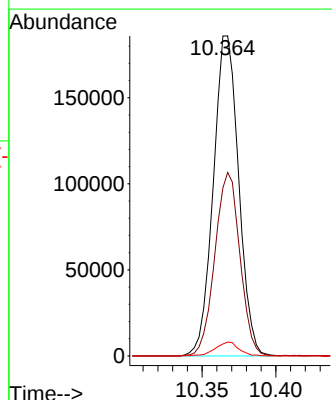
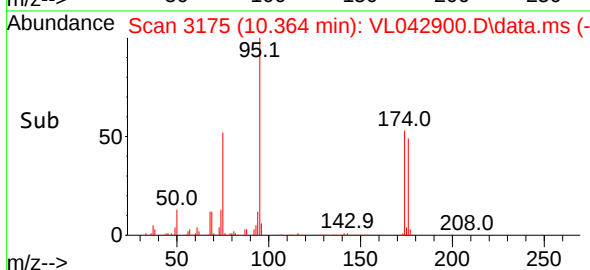
Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025

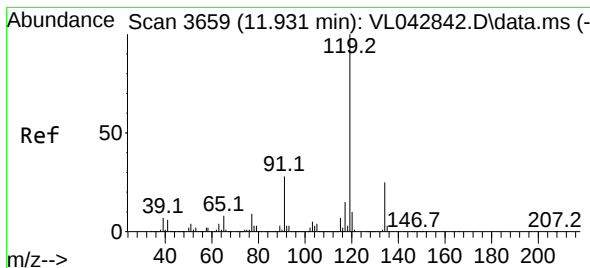


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.483 ppbv
 RT: 10.364 min Scan# 3175
 Delta R.T. 0.000 min
 Lab File: VL042900.D
 Acq: 08 Sep 2025 11:05



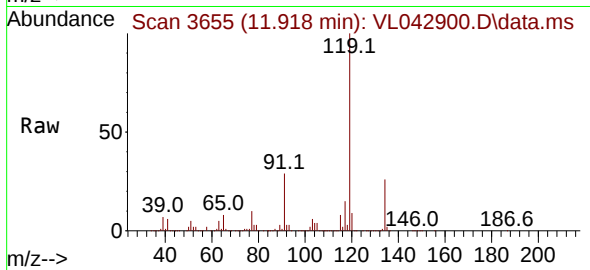
Tgt Ion: 95 Resp: 222314
 Ion Ratio Lower Upper
 95 100
 174 56.8 48.4 72.6
 175 4.1 3.8 5.8





#69
 p-Isopropyltoluene
 Concen: 10.929 ppbv
 RT: 11.918 min Scan# 3655
 Delta R.T. 0.000 min
 Lab File: VL042900.D
 Acq: 08 Sep 2025 11:05

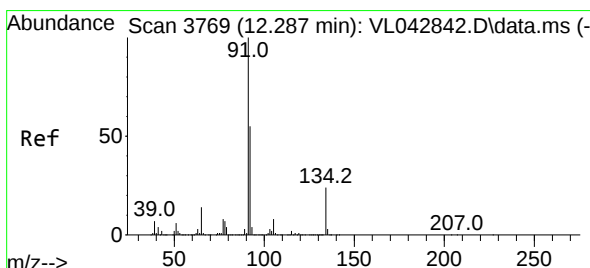
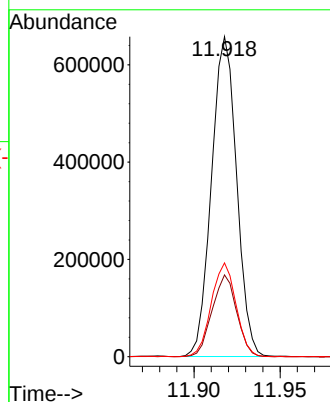
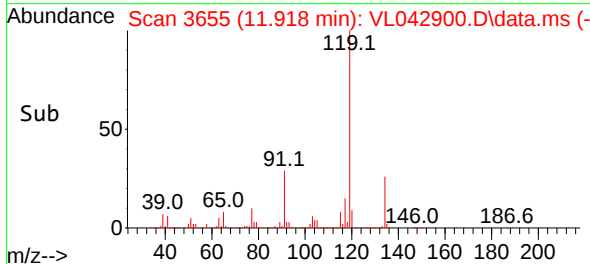
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 119 Resp: 667558
 Ion Ratio Lower Upper
 119 100
 134 25.1 20.6 30.8
 91 29.0 22.6 34.0

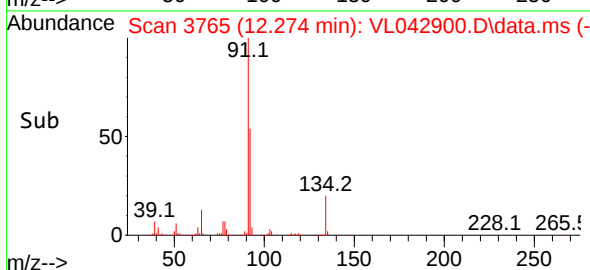
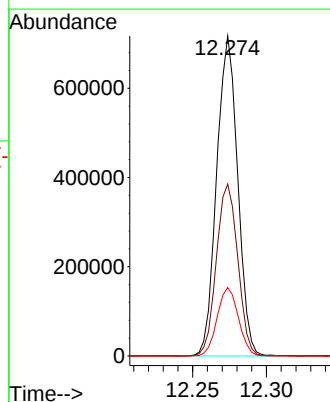
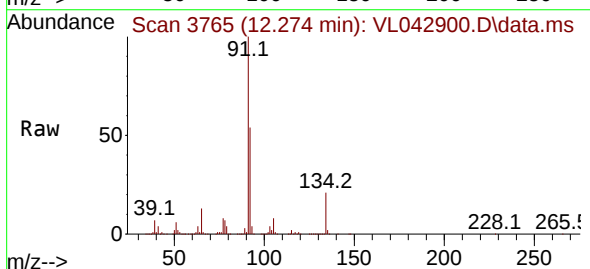
Manual Integrations
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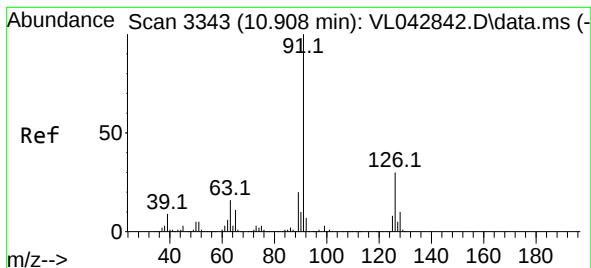
Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#70
 n-Butylbenzene
 Concen: 11.736 ppbv
 RT: 12.274 min Scan# 3765
 Delta R.T. 0.000 min
 Lab File: VL042900.D
 Acq: 08 Sep 2025 11:05

Tgt Ion: 91 Resp: 711012
 Ion Ratio Lower Upper
 91 100
 92 54.7 44.6 66.8
 134 21.6 19.0 28.4





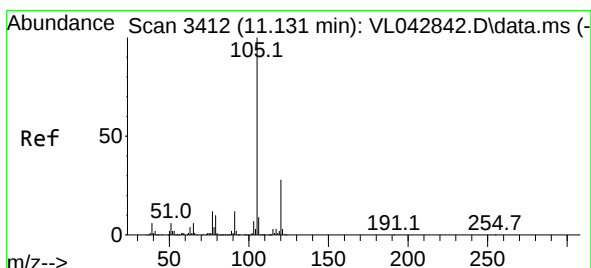
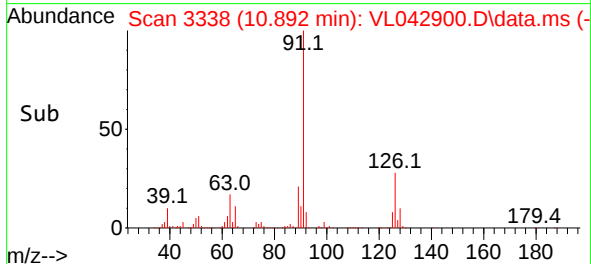
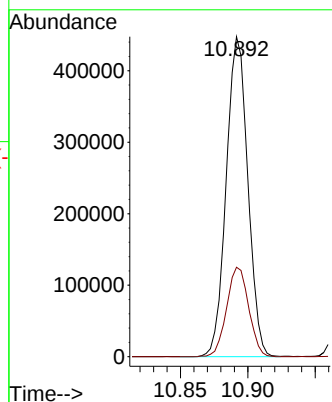
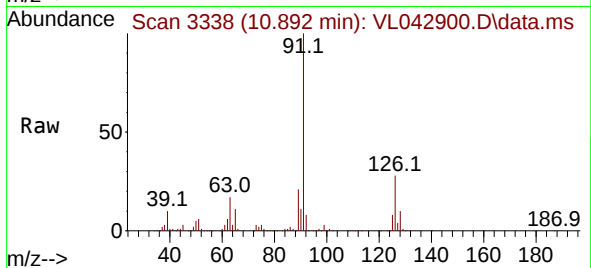
#71
2-Chlorotoluene
Concen: 11.156 ppbv
RT: 10.892 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 498072
Ion Ratio Lower Upper
91 100
126 28.5 12.0 47.8

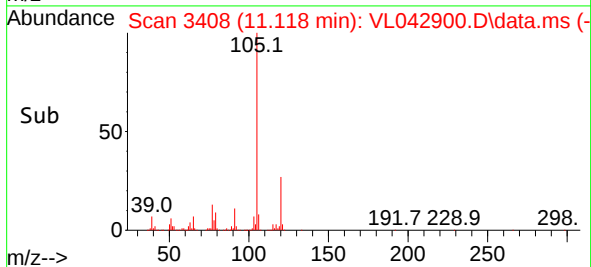
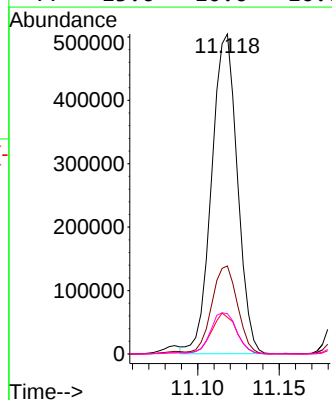
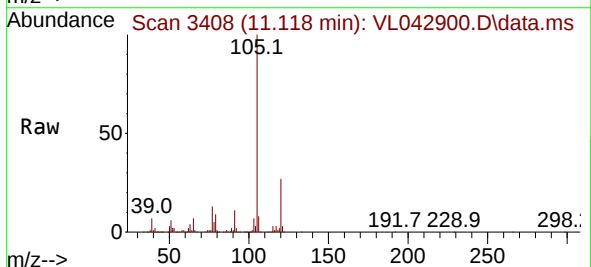
Manual Integrations
APPROVED

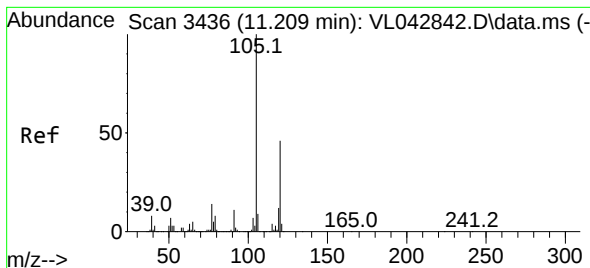
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#72
4-Ethyltoluene
Concen: 11.624 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

Tgt Ion:105 Resp: 554411
Ion Ratio Lower Upper
105 100
120 28.3 23.4 35.2
91 12.9 9.8 14.6
77 13.6 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 11.105 ppbv

RT: 11.196 min Scan# 3436

Delta R.T. 0.000 min

Lab File: VL042900.D

Acq: 08 Sep 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 450409

Ion Ratio Lower Upper

105 100

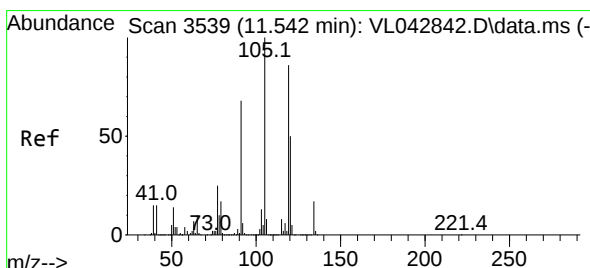
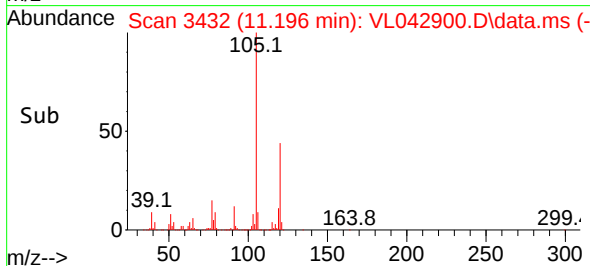
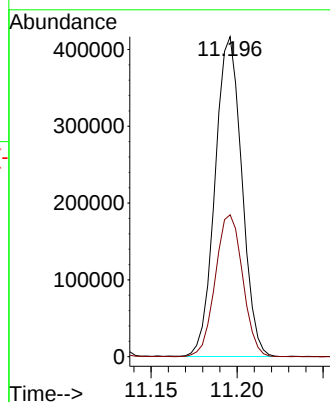
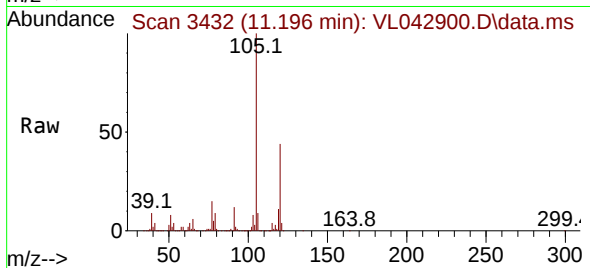
120 44.3 36.6 54.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025

Supervised By :Mahesh Dadoda 09/11/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.424 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. 0.000 min

Lab File: VL042900.D

Acq: 08 Sep 2025 11:05

Tgt Ion:105 Resp: 508605

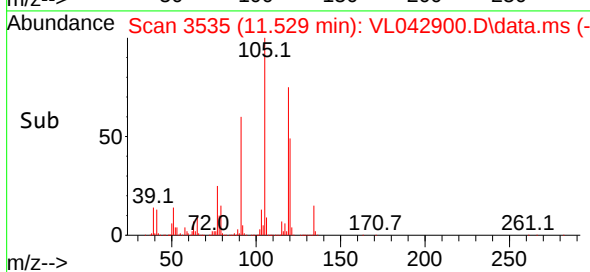
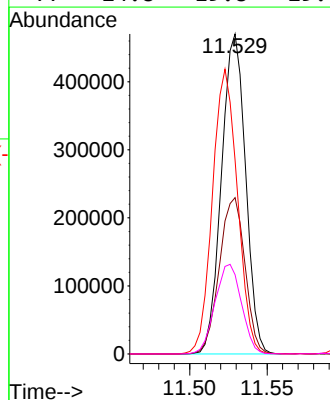
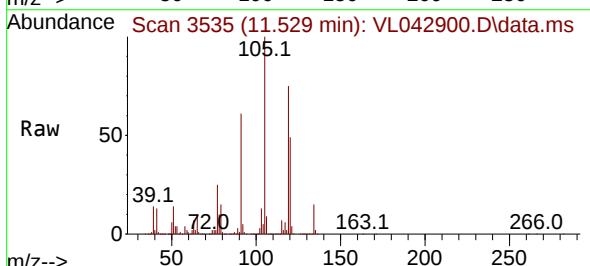
Ion Ratio Lower Upper

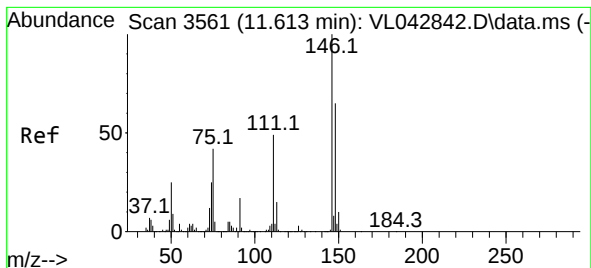
105 100

120 48.8 39.8 59.6

91 60.5 54.2 81.4

77 24.8 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 11.445 ppbv

RT: 11.597 min Scan# 3556

Delta R.T. 0.000 min

Lab File: VL042900.D

Acq: 08 Sep 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

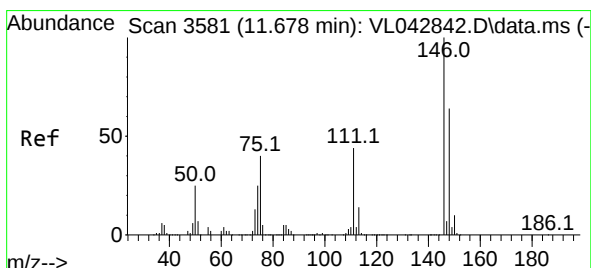
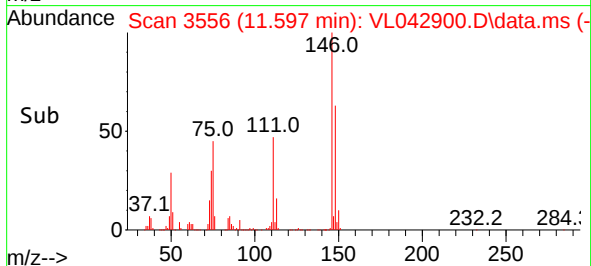
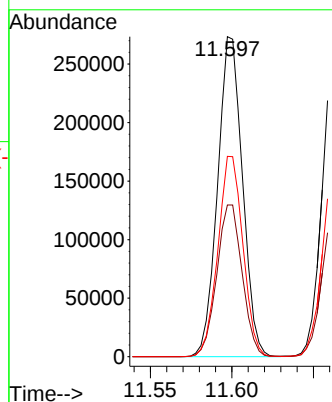
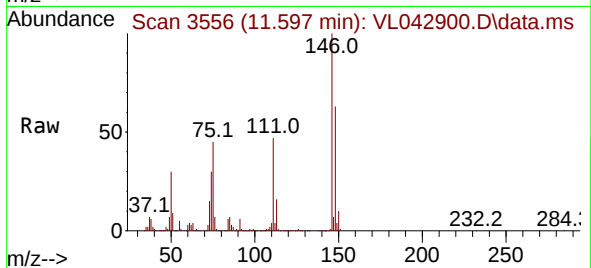
VSTDCCC010

Tgt Ion:	146	Resp:	289650
Ion Ratio	Lower	Upper	
146	100		
111	48.4	23.9	71.7
148	63.1	31.4	94.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#76

1,4-Dichlorobenzene

Concen: 11.226 ppbv

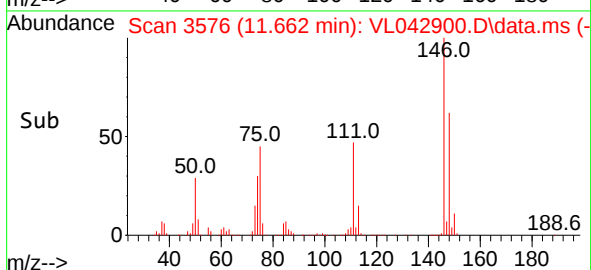
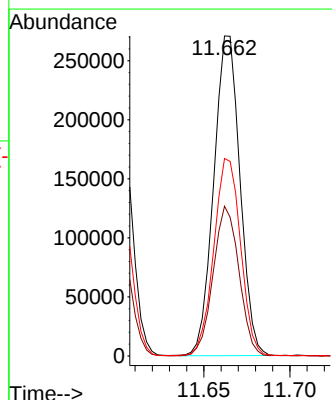
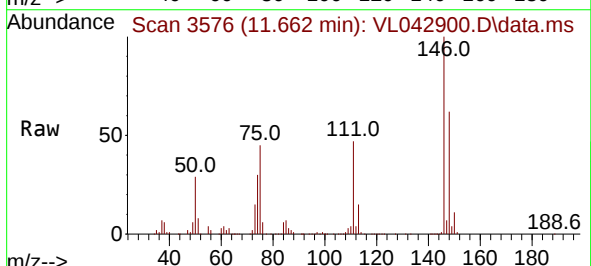
RT: 11.662 min Scan# 3576

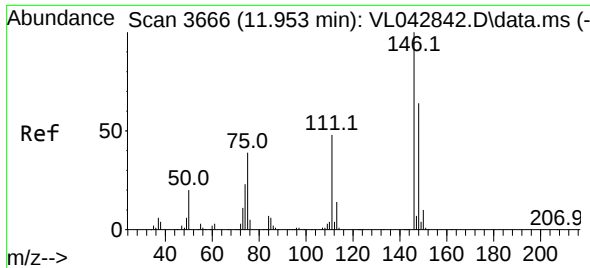
Delta R.T. 0.000 min

Lab File: VL042900.D

Acq: 08 Sep 2025 11:05

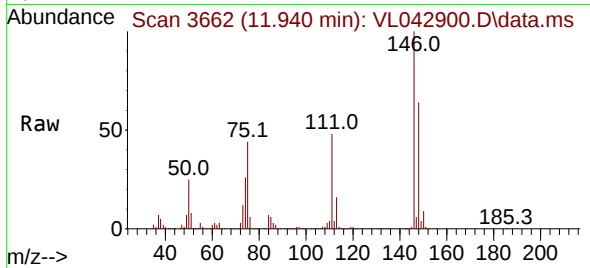
Tgt Ion:	146	Resp:	287352
Ion Ratio	Lower	Upper	
146	100		
111	46.3	22.7	68.1
148	63.2	31.8	95.3





#77
1,2-Dichlorobenzene
Concen: 11.351 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

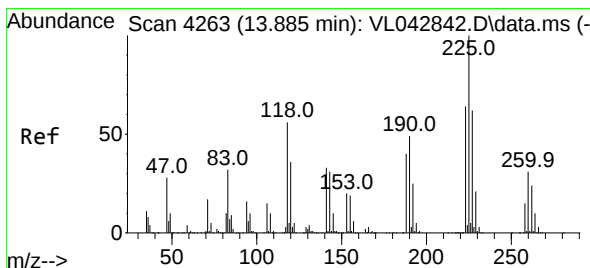
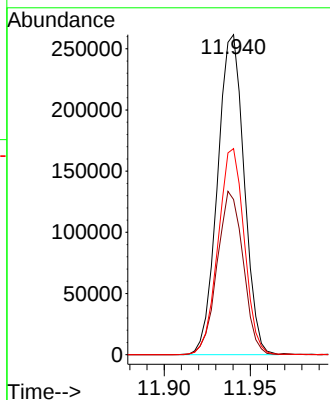
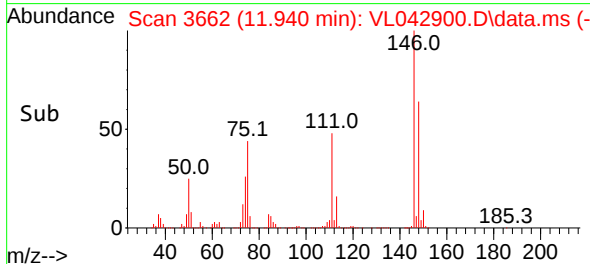
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:146 Resp: 28130
Ion Ratio Lower Upper
146 100
111 50.0 24.6 74.0
148 63.5 32.0 96.0

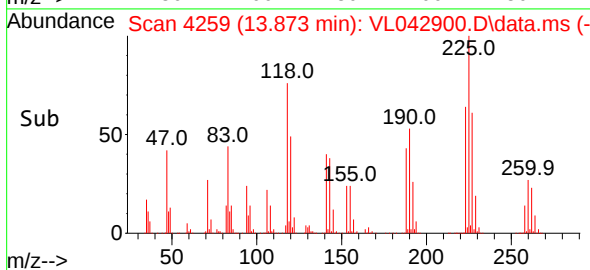
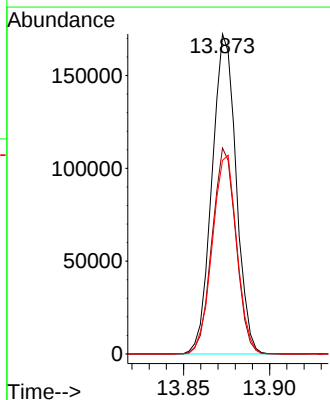
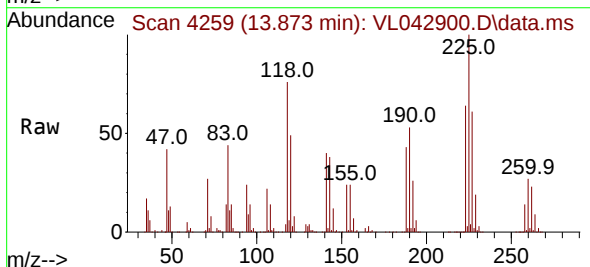
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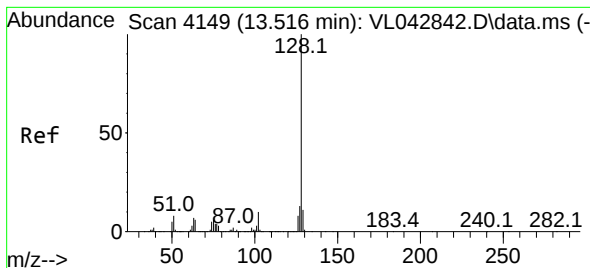
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#78
Hexachloro-1,3-Butadiene
Concen: 8.266 ppbv
RT: 13.873 min Scan# 4259
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

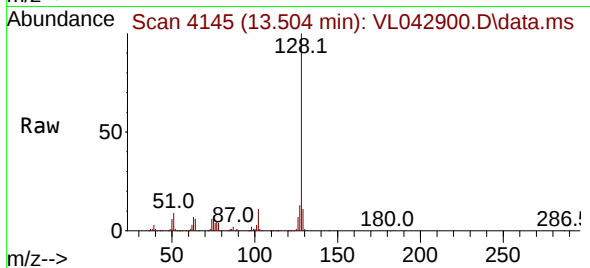
Tgt Ion:225 Resp: 167893
Ion Ratio Lower Upper
225 100
223 63.8 51.4 77.2
227 63.3 51.9 77.9





#79
Naphthalene
Concen: 10.613 ppbv
RT: 13.504 min Scan# 4149
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05

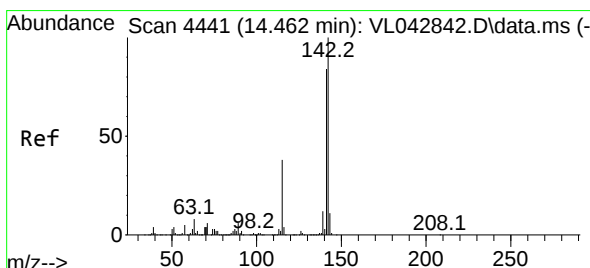
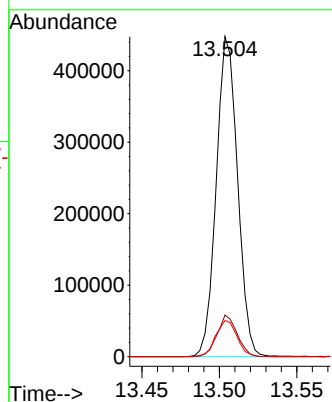
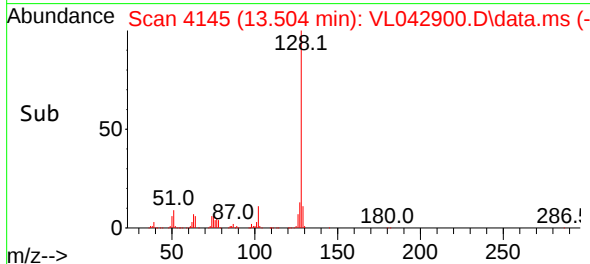
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



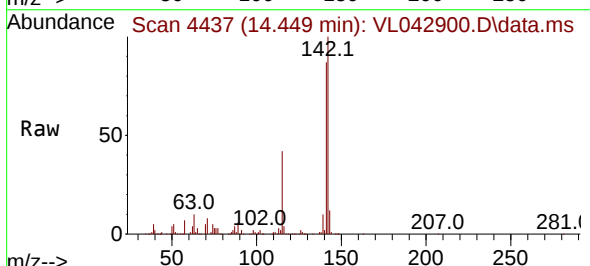
Tgt Ion:128 Resp: 428351
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 11.3 8.9 13.3

Manual Integrations
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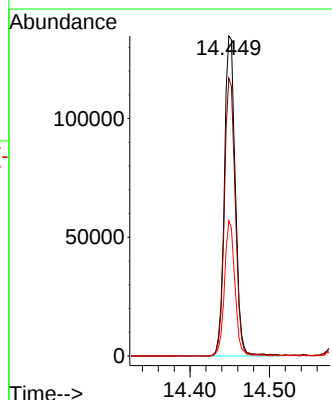
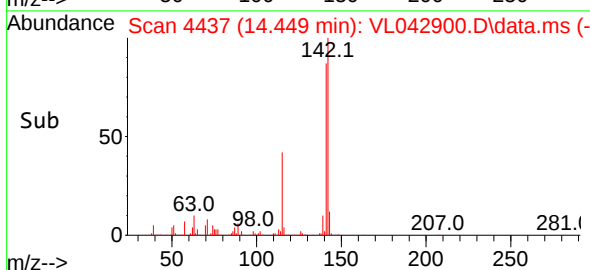
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025

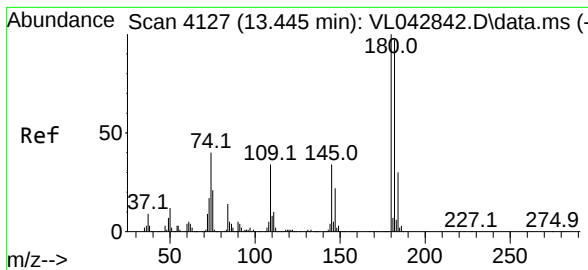


#80
Naphthalene,2-methyl-
Concen: 8.470 ppbv
RT: 14.449 min Scan# 4437
Delta R.T. 0.000 min
Lab File: VL042900.D
Acq: 08 Sep 2025 11:05



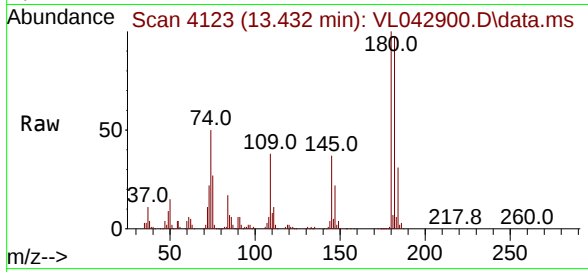
Tgt Ion:142 Resp: 127751
Ion Ratio Lower Upper
142 100
141 87.4 67.0 100.6
115 40.4 30.9 46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 10.226 ppbv
 RT: 13.432 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042900.D
 Acq: 08 Sep 2025 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180	Resp:	20745
Ion Ratio	Lower	Upper
180	100	
182	95.4	76.9 115.3
184	30.0	24.5 36.7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025

