

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
 Data File : VL042932.D
 Acq On : 17 Sep 2025 11:58
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Sep 18 02:29:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Sep 18 02:25:28 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/18/2025
 Supervised By : Mahesh Dadoda 09/18/2025

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

Internal Standards						
1) Bromochloromethane	2.787	49	156392	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	401247	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	338744	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	263700	9.959	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	11457	0.513	ppbv	99
3) Chlorodifluoromethane	1.476	51	12168	0.517	ppbv	100
4) Chloromethane	1.534	50	4596	0.512	ppbv #	84
5) Vinyl Chloride	1.580	62	4260	0.503	ppbv	90
6) Bromomethane	1.667	94	1694	0.576	ppbv #	79
7) Chloroethane	1.703	64	1499	0.481	ppbv	91
8) Dichlorotetrafluoroethane	1.554	85	9022	0.509	ppbv	91
9) Propene	1.483	41	4027	0.469	ppbv	90
10) Heptane	4.981	43	7851m	0.369	ppbv	
11) Trichlorofluoromethane	1.877	101	10951	0.496	ppbv	86
12) 1,1,2-Trichlorotrifluo...	2.140	101	8872	0.515	ppbv	100
13) Ethanol	1.722	45	545m	0.622	ppbv	
14) Bromoethene	1.780	108	3180	0.518	ppbv	97
15) Acetone	1.835	43	11107	0.578	ppbv	97
16) 1,3-Butadiene	1.609	39	4527	0.563	ppbv	98
17) tert-Butyl alcohol	2.042	59	9574	0.518	ppbv	100
18) 1,1-Dichloroethene	2.033	96	3704	0.491	ppbv	97
19) Isopropyl Alcohol	1.887	45	5637	0.547	ppbv #	97
20) Methylene Chloride	2.062	84	5602	0.670	ppbv #	89
21) Allyl Chloride	2.094	41	6908	0.531	ppbv	91
22) trans-1,2-Dichloroethene	2.340	96	4297	0.502	ppbv	89
23) Vinyl Acetate	2.463	43	10743	0.481	ppbv #	94
24) 1,1-Dichloroethane	2.408	63	8640	0.511	ppbv	98
25) Ethyl Acetate	2.839	43	18457	0.450	ppbv	97
26) Hexane	2.826	57	7346	0.417	ppbv #	83
27) Carbon Disulfide	2.149	76	11231	0.517	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	5027	0.520	ppbv	96
29) Chloroform	2.845	83	14102	0.490	ppbv	94
30) Cyclohexane	3.852	84	4888m	0.369	ppbv	
31) cis-1,2-Dichloroethene	2.719	61	7566	0.440	ppbv #	87
32) 1,1,1-Trichloroethane	3.366	97	13029	0.484	ppbv	95
34) 2-Butanone	2.560	43	11954	0.460	ppbv	91
35) Carbon Tetrachloride	3.755	117	13842m	0.485	ppbv	
36) Benzene	3.654	78	16361	0.467	ppbv #	86
37) 1,2-Dichloroethane	3.217	62	10620	0.507	ppbv	97
38) Trichloroethene	4.548	130	7478m	0.472	ppbv	
39) 1,2-Dichloropropane	4.308	63	7185	0.508	ppbv #	81
40) 1,4-Dioxane	4.606	88	1992m	0.397	ppbv	
41) Tetrahydrofuran	3.059	42	5821m	0.455	ppbv	
42) Bromodichloromethane	4.489	83	15717m	0.522	ppbv	
43) Methyl Methacrylate	4.881	69	4550m	0.388	ppbv	
44) 2,2,4-Trimethylpentane	4.638	57	23481m	0.402	ppbv	
45) t-1,3-Dichloropropene	6.415	75	5044m	0.408	ppbv	

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Instrument :
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 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 18 02:29:24 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M

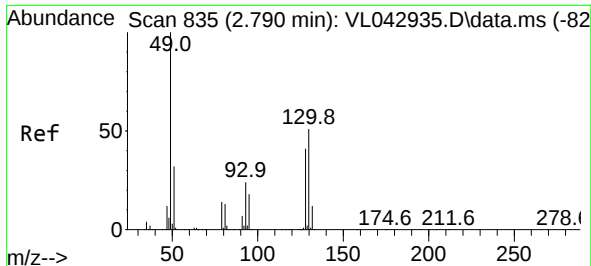
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Sep 18 02:25:28 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	7341m	0.431	ppbv	
47) 1,1,2-Trichloroethane	6.583	97	7061m	0.490	ppbv	
48) Dibromochloromethane	7.380	129	10997m	0.487	ppbv	
49) Bromoform	9.484	173	8614	0.489	ppbv	99
50) 4-Methyl-2-Pentanone	5.761	43	11932m	0.385	ppbv	
51) 2-Hexanone	7.444	43	8494m	0.372	ppbv	
52) Tetrachloroethene	8.234	164	5126m	0.471	ppbv	
53) Toluene	6.933	91	11993	0.368	ppbv	98
54) 1,2-Dibromoethane	7.658	107	8754m	0.472	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.927	131	8760m	0.507	ppbv	
57) Chlorobenzene	8.924	112	16080	0.514	ppbv #	92
58) Ethyl Benzene	9.354	91	15958	0.366	ppbv	91
59) m/p-Xylene	9.539	91	24990m	0.678	ppbv	
60) o-Xylene	9.963	91	12302	0.336	ppbv	100
61) Styrene	9.869	104	4154	0.748	ppbv	93
62) Isopropylbenzene	10.539	105	19343	0.362	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.959	83	12366m	0.467	ppbv	
64) n-propylbenzene	10.989	120	4697	0.339	ppbv	90
65) tert-Butylbenzene	11.529	119	13853	0.304	ppbv	91
66) Benzyl Chloride	11.613	91	1547	0.365	ppbv	95
67) sec-Butylbenzene	11.769	105	23691	0.341	ppbv	98
69) p-Isopropyltoluene	11.924	119	16694	0.312	ppbv	95
70) n-Butylbenzene	12.280	91	16636	0.527	ppbv	91
71) 2-Chlorotoluene	10.898	91	14134	0.357	ppbv	98
72) 4-Ethyltoluene	11.124	105	13199	0.591	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.202	105	11354	0.313	ppbv	94
74) 1,2,4-Trimethylbenzene	11.539	105	13232	0.310	ppbv #	79
75) 1,3-Dichlorobenzene	11.607	146	11911	0.441	ppbv	98
76) 1,4-Dichlorobenzene	11.671	146	10649	0.410	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	11678	0.428	ppbv	97
78) Hexachloro-1,3-Butadiene	13.879	225	9035	0.519	ppbv	97
79) Naphthalene	13.513	128	7418	0.523	ppbv #	94
80) Naphthalene,2-methyl-	14.458	142	2905	0.949	ppbv	96
81) 1,2,4-Trichlorobenzene	13.439	180	4520	0.626	ppbv	98

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



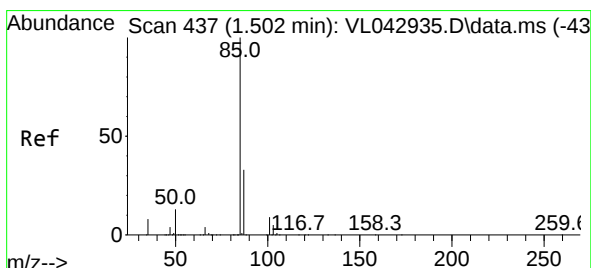
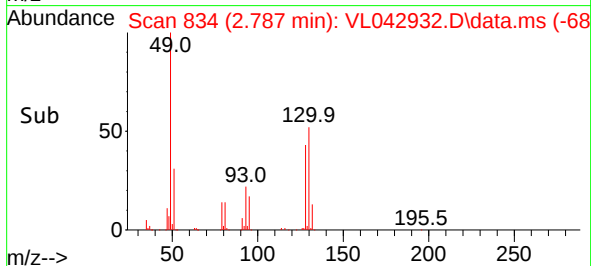
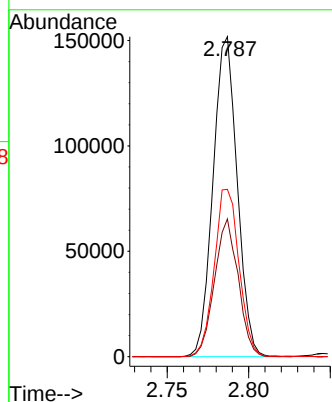
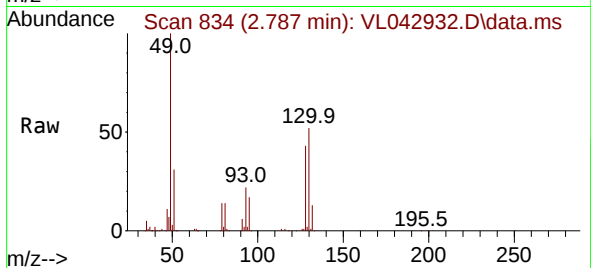
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 49 Resp: 156392
Ion Ratio Lower Upper
49 100
128 42.3 21.1 63.4
130 53.9 26.4 79.2

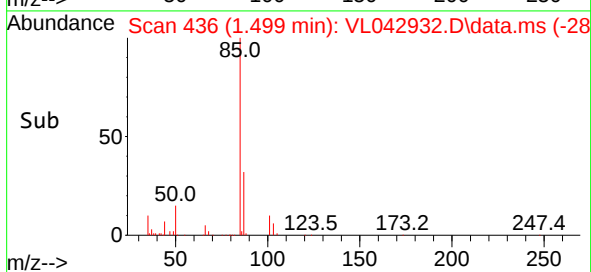
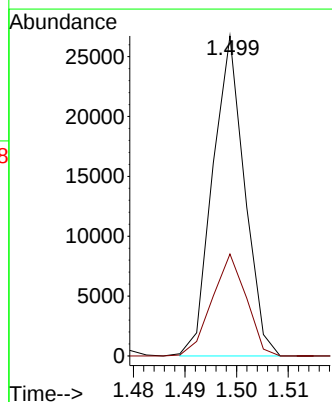
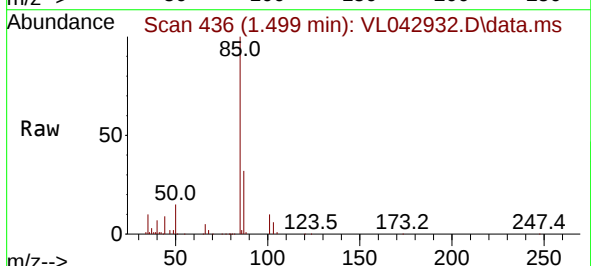
Manual Integrations
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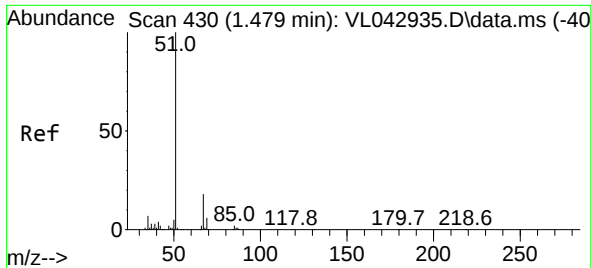
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#2
Dichlorodifluoromethane
Concen: 0.513 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Tgt Ion: 85 Resp: 11457
Ion Ratio Lower Upper
85 100
87 31.8 26.1 39.1





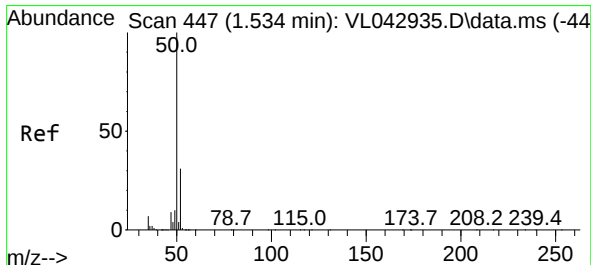
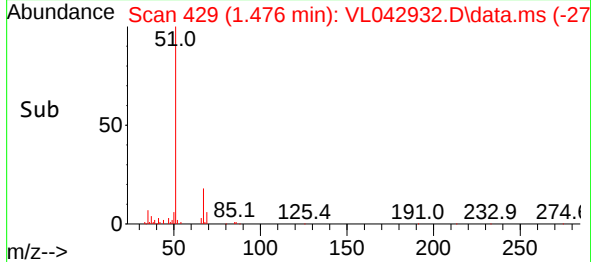
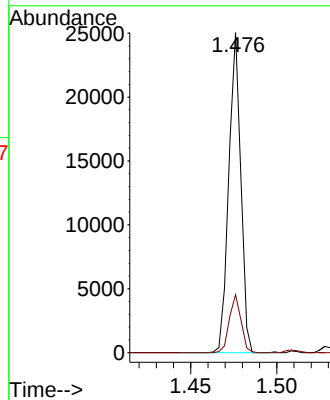
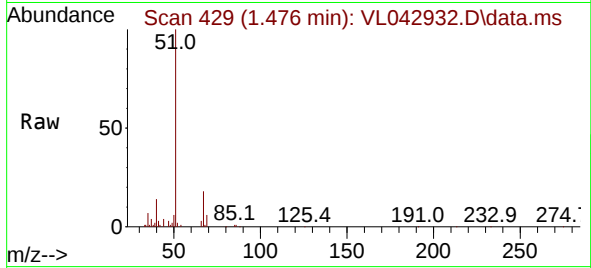
#3
Chlorodifluoromethane
Concen: 0.517 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 51 Resp: 12168
Ion Ratio Lower Upper
51 100
67 17.6 14.1 21.1

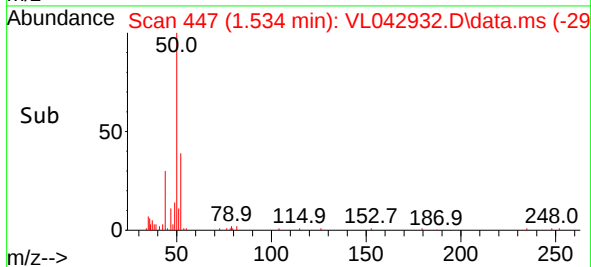
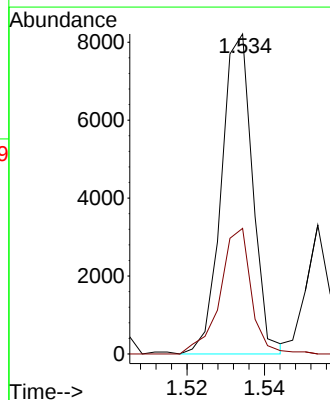
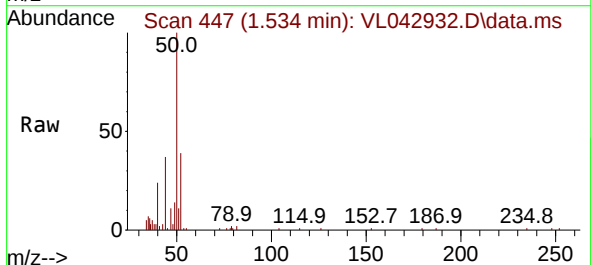
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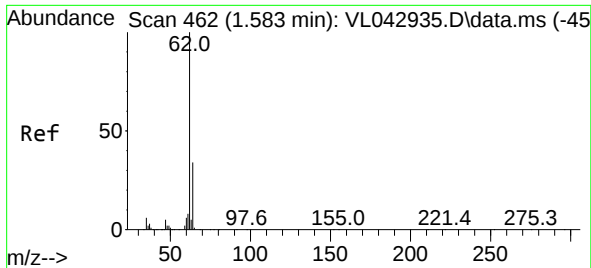
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#4
Chloromethane
Concen: 0.512 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

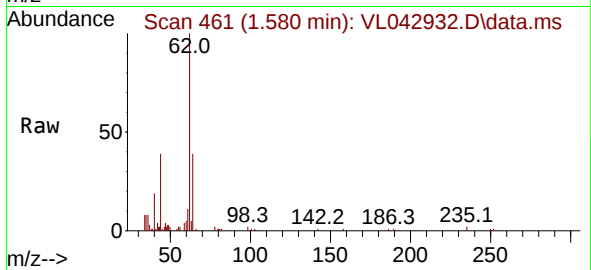
Tgt Ion: 50 Resp: 4596
Ion Ratio Lower Upper
50 100
52 39.2 24.6 36.8#





#5
 Vinyl Chloride
 Concen: 0.503 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.003 min
 Lab File: VL042932.D
 Acq: 17 Sep 2025 11:58

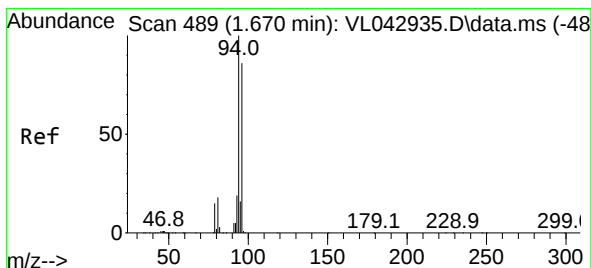
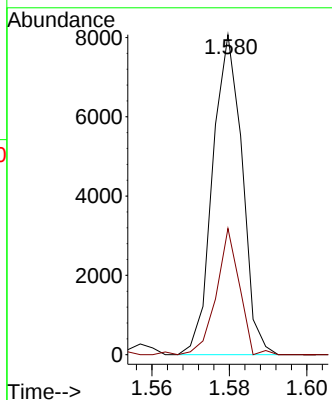
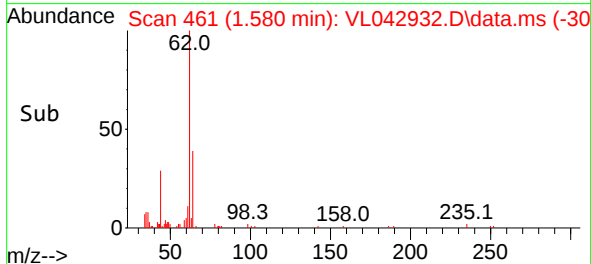
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 62 Resp: 4260
 Ion Ratio Lower Upper
 62 100
 64 39.5 27.0 40.6

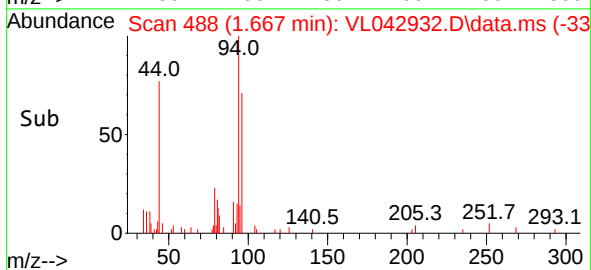
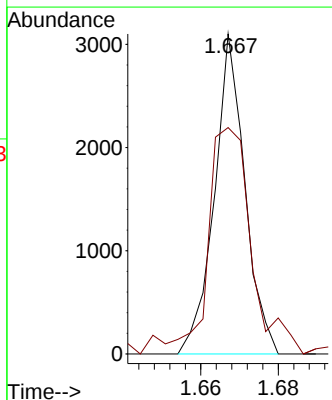
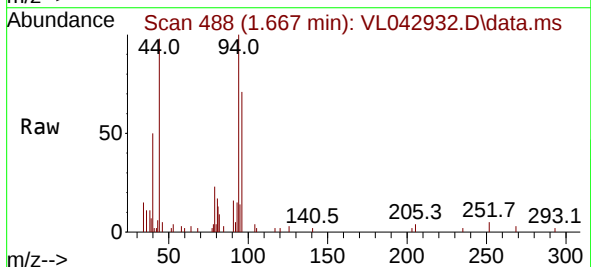
Manual Integrations
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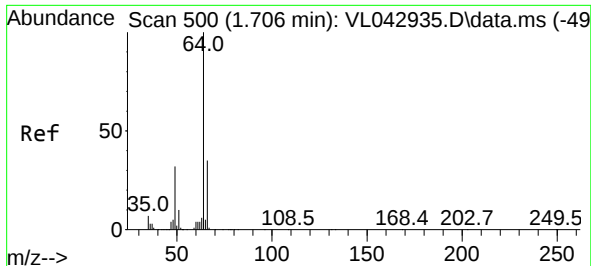
Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#6
 Bromomethane
 Concen: 0.576 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.003 min
 Lab File: VL042932.D
 Acq: 17 Sep 2025 11:58

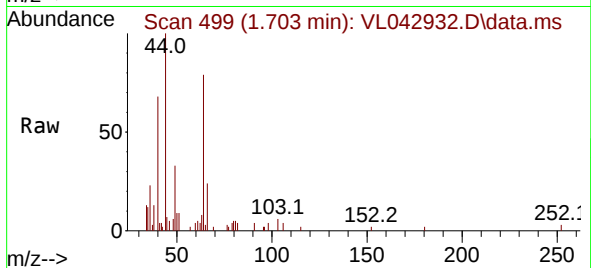
Tgt Ion: 94 Resp: 1694
 Ion Ratio Lower Upper
 94 100
 96 66.2 68.6 103.0#





#7
Chloroethane
Concen: 0.481 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

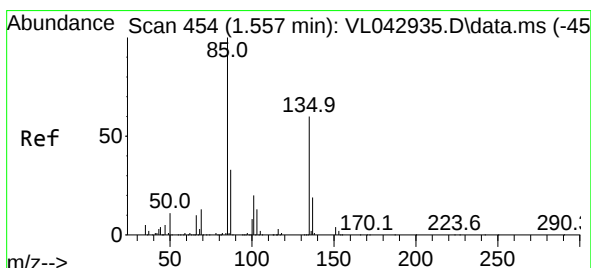
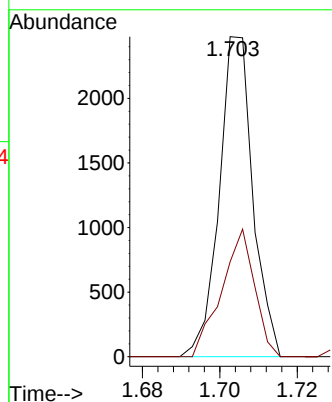
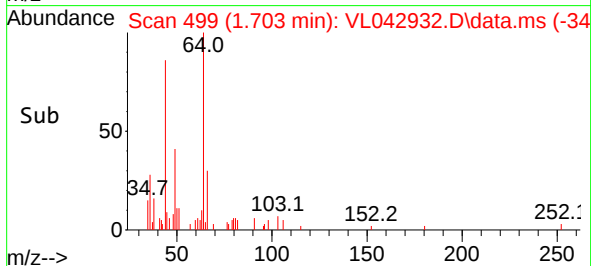
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



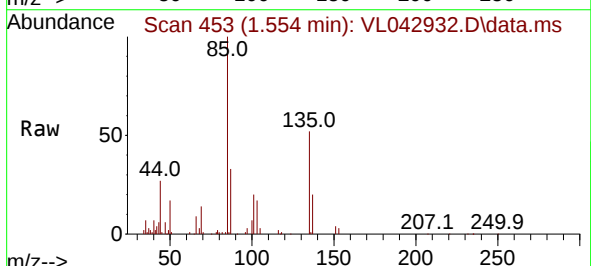
Tgt Ion: 64 Resp: 1499
Ion Ratio Lower Upper
64 100
66 29.7 27.9 41.9

Manual Integrations
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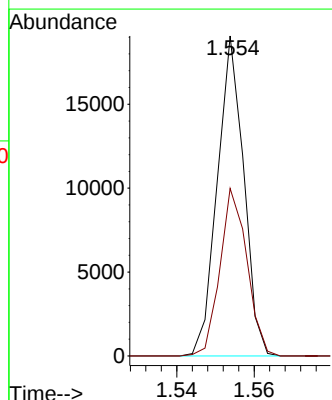
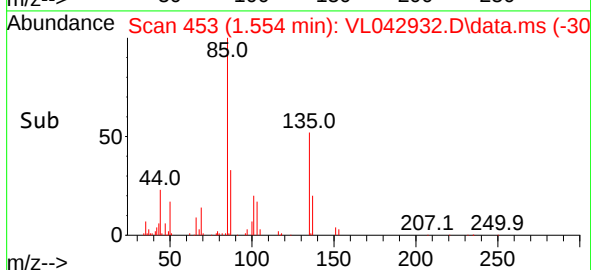
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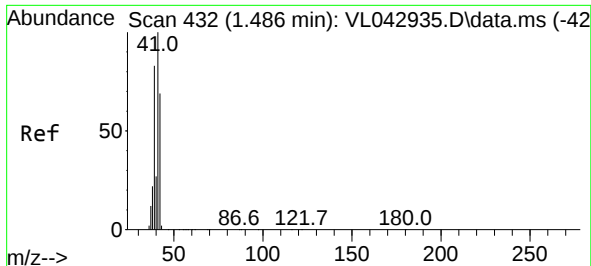


#8
Dichlorotetrafluoroethane
Concen: 0.509 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58



Tgt Ion: 85 Resp: 9022
Ion Ratio Lower Upper
85 100
135 53.6 48.1 72.1





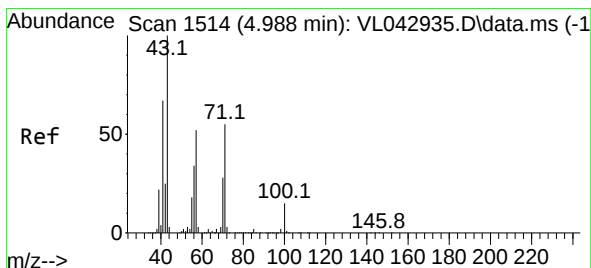
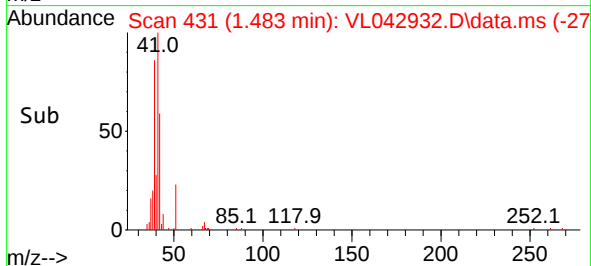
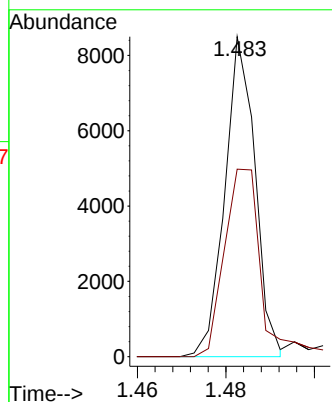
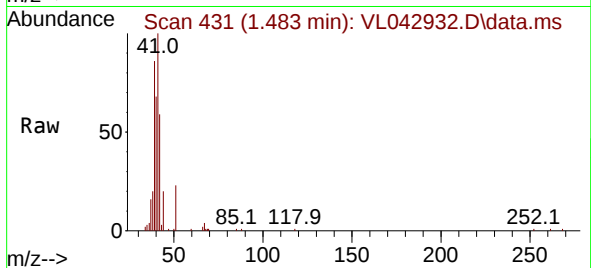
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Propene
Concen: 0.469 ppbv
RT: 1.483 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 402
Ion Ratio Lower Upper
41 100
42 76.7 55.0 82.4

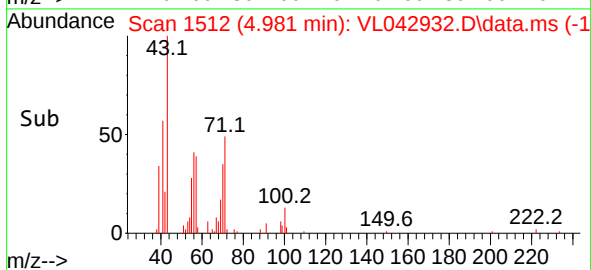
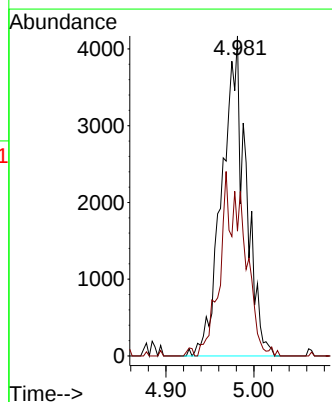
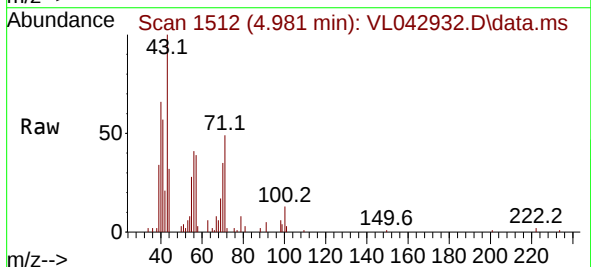
Manual Integrations
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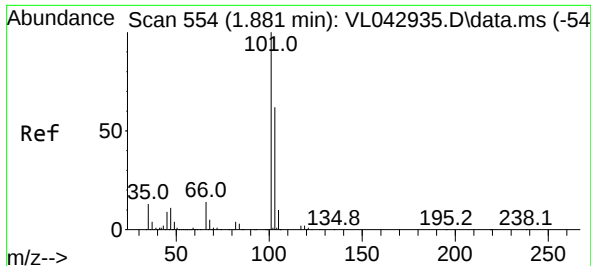
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#10
Heptane
Concen: 0.369 ppbv m
RT: 4.981 min Scan# 1512
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Tgt Ion: 43 Resp: 7851
Ion Ratio Lower Upper
43 100
57 0.0 39.8 59.8#





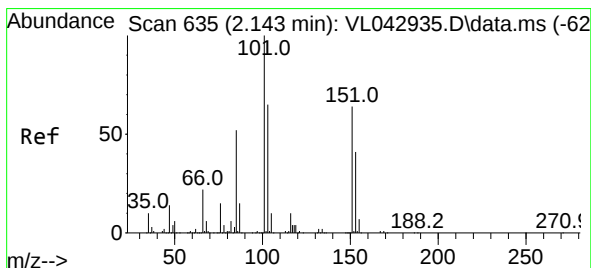
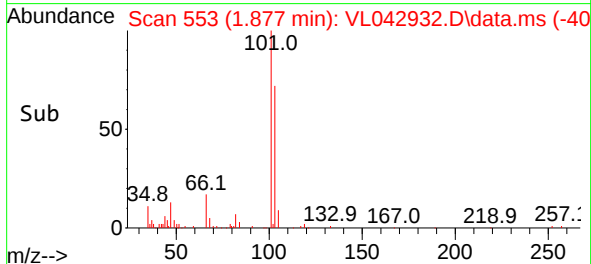
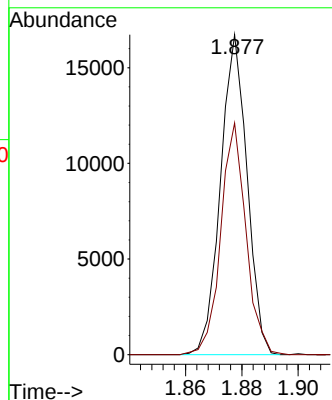
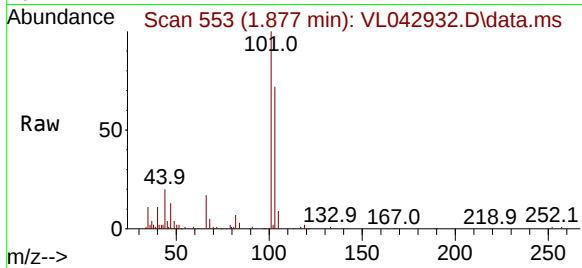
#11
Trichlorofluoromethane
Concen: 0.496 ppbv
RT: 1.877 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:101 Resp: 1095
Ion Ratio Lower Upper
101 100
103 72.4 49.6 74.4

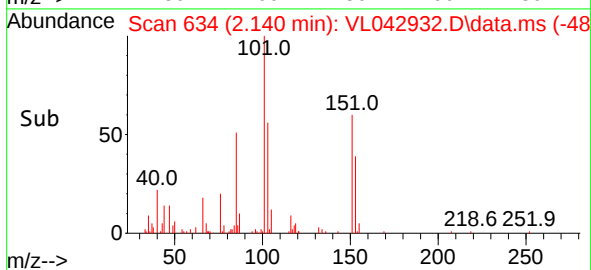
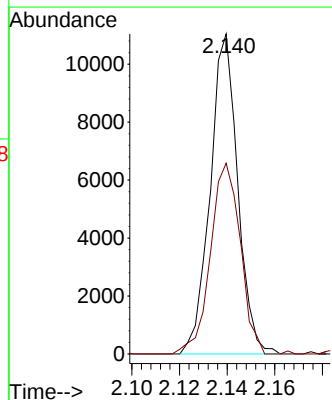
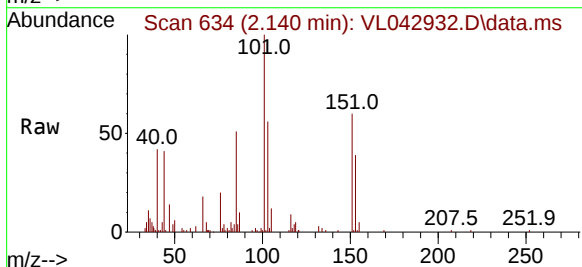
Manual Integrations
APPROVED

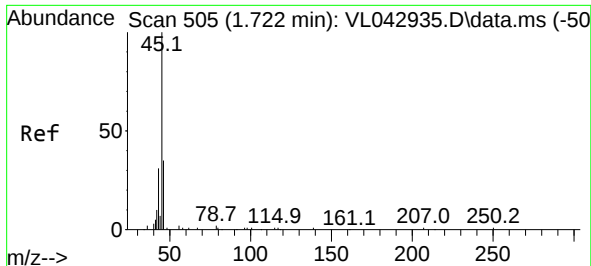
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.515 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

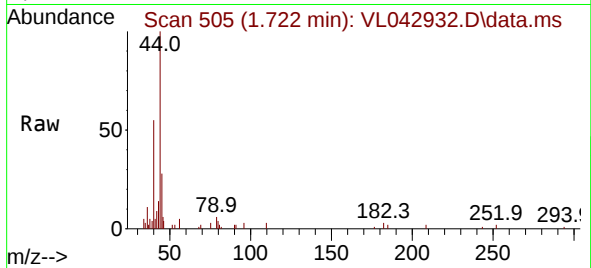
Tgt Ion:101 Resp: 8872
Ion Ratio Lower Upper
101 100
151 65.1 51.9 77.9





#13
Ethanol
Concen: 0.622 ppbv m
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

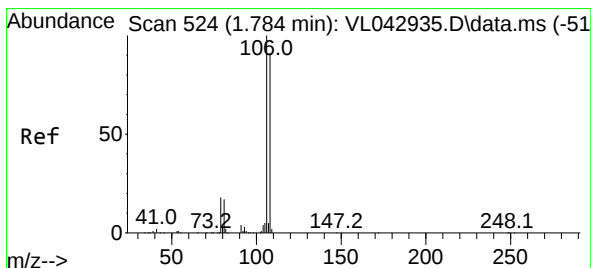
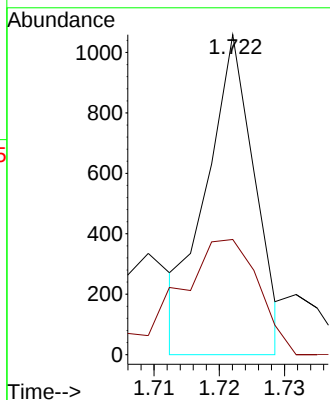
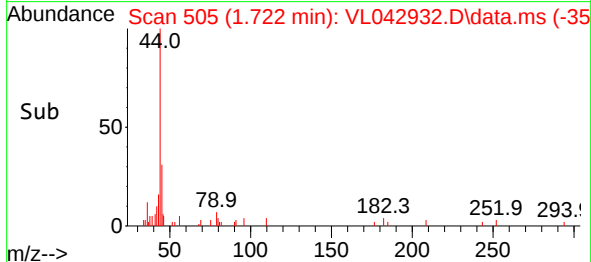
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



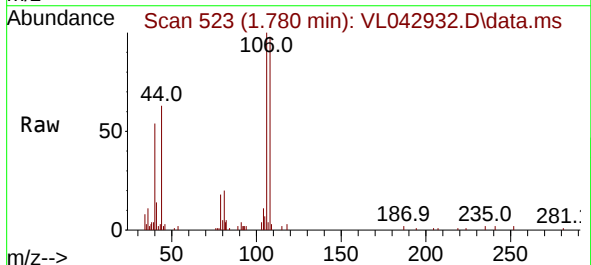
Tgt Ion: 45 Resp: 549
Ion Ratio Lower Upper
45 100
46 0.0 16.5 66.1

Manual Integrations
APPROVED

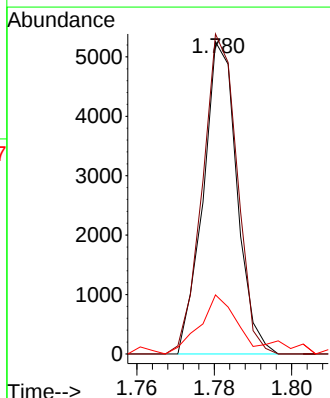
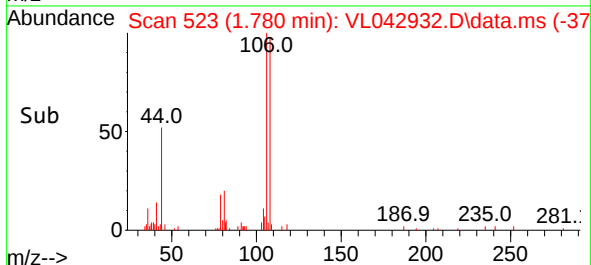
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

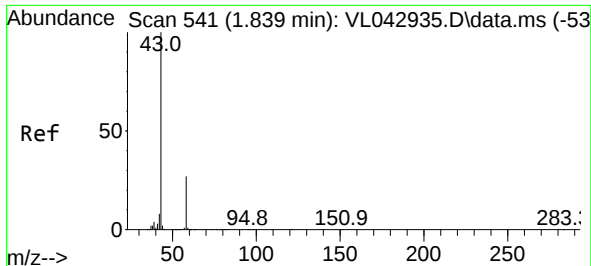


#14
Bromoethene
Concen: 0.518 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58



Tgt Ion:108 Resp: 3180
Ion Ratio Lower Upper
108 100
106 105.2 86.0 129.0
79 25.3 17.2 25.8





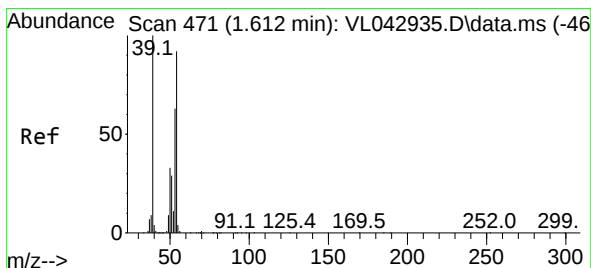
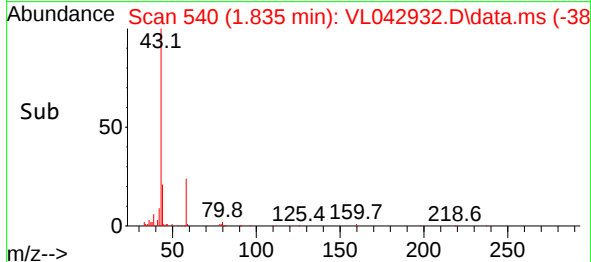
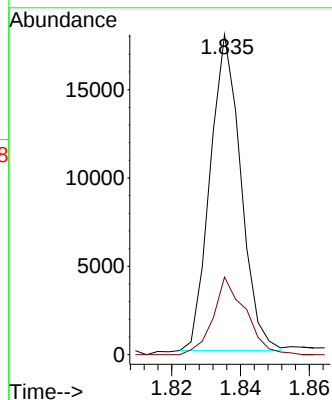
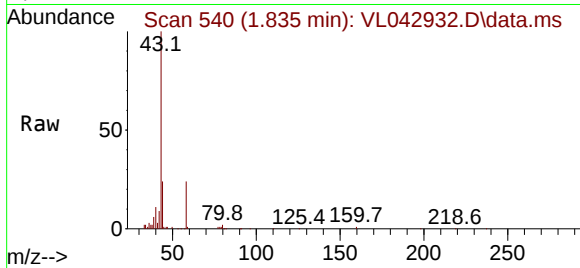
#15
Acetone
Concen: 0.578 ppbv
RT: 1.835 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 1110
Ion Ratio Lower Upper
43 100
58 25.9 22.2 33.2

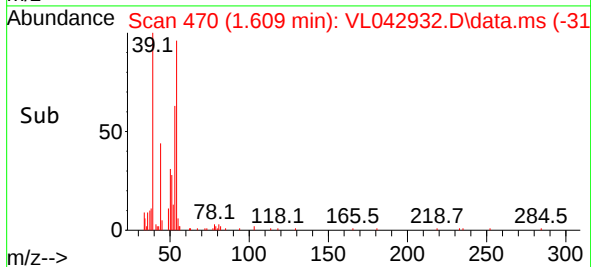
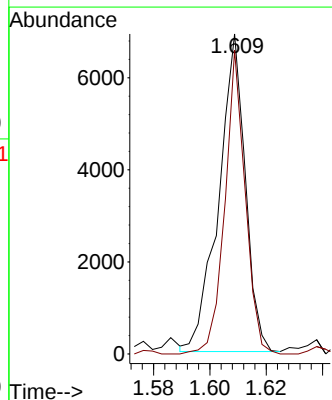
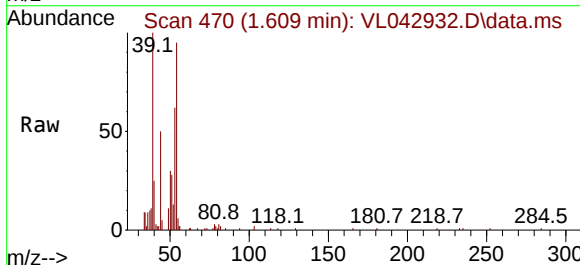
Manual Integrations
APPROVED

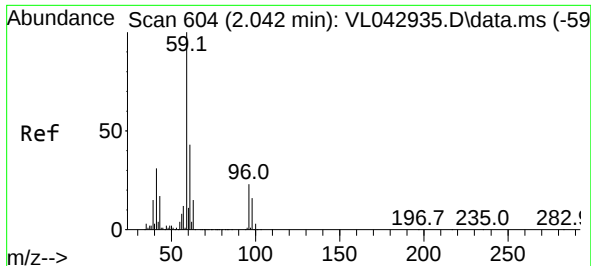
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#16
1,3-Butadiene
Concen: 0.563 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

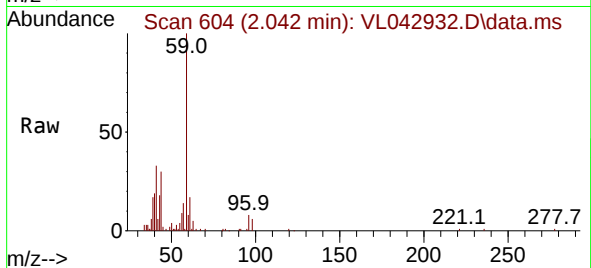
Tgt Ion: 39 Resp: 4527
Ion Ratio Lower Upper
39 100
54 76.1 62.2 93.4





#17
tert-Butyl alcohol
Concen: 0.518 ppbv
RT: 2.042 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

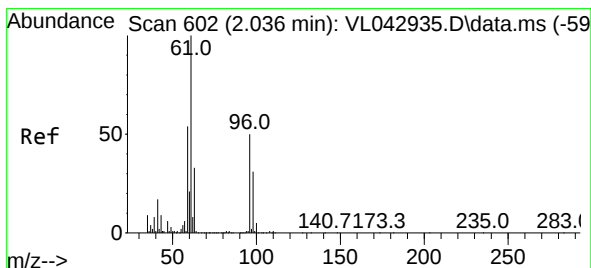
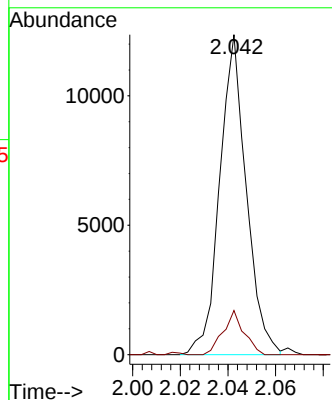
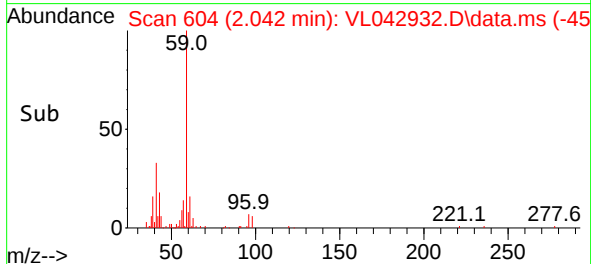
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



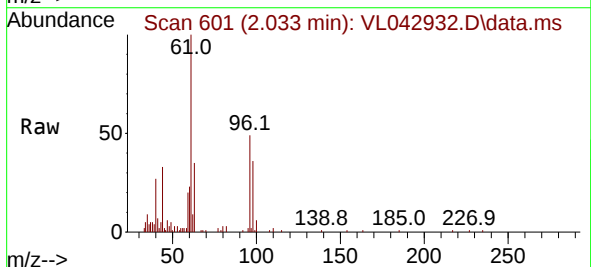
Tgt Ion: 59 Resp: 9574
Ion Ratio Lower Upper
59 100
57 11.4 9.0 13.6

Manual Integrations
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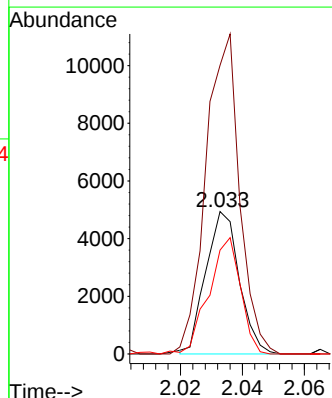
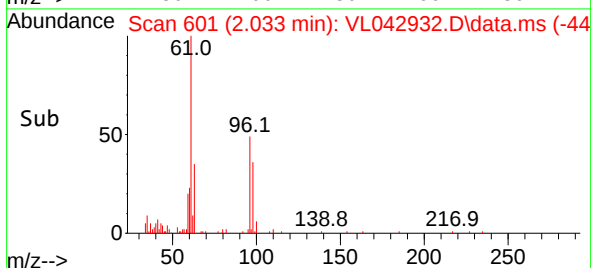
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

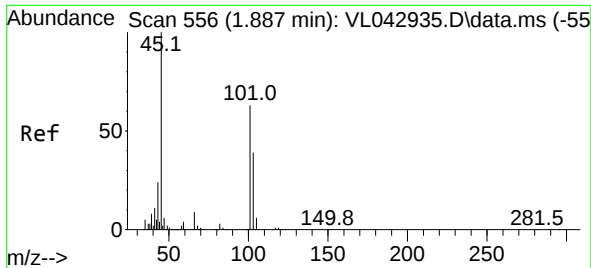


#18
1,1-Dichloroethene
Concen: 0.491 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58



Tgt Ion: 96 Resp: 3704
Ion Ratio Lower Upper
96 100
61 202.6 161.1 241.7
98 72.9 50.7 76.1





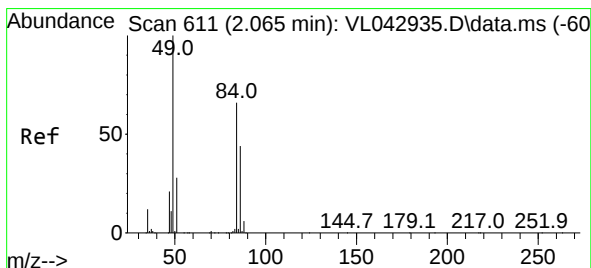
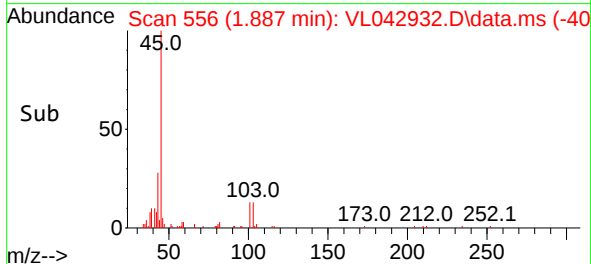
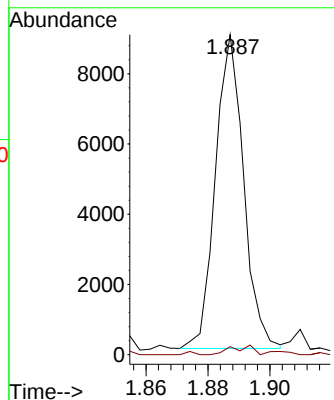
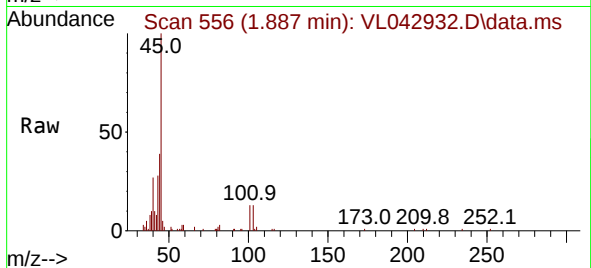
#19
Isopropyl Alcohol
Concen: 0.547 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 563
Ion Ratio Lower Upper
45 100
58 3.4 2.0 3.0

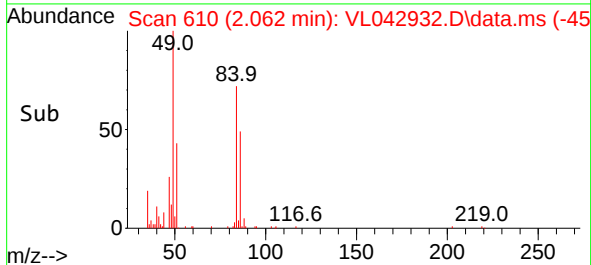
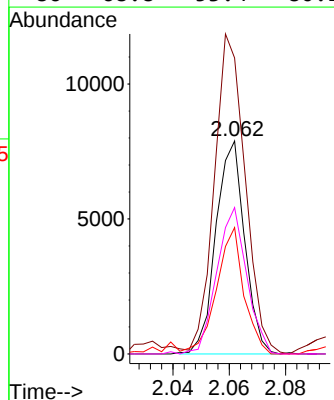
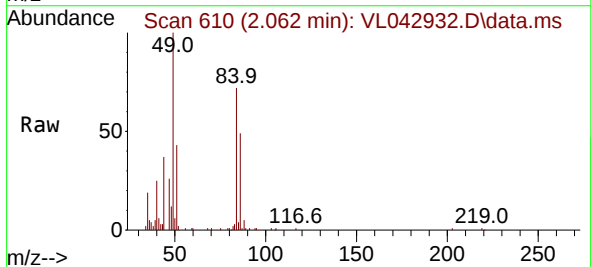
Manual Integrations
APPROVED

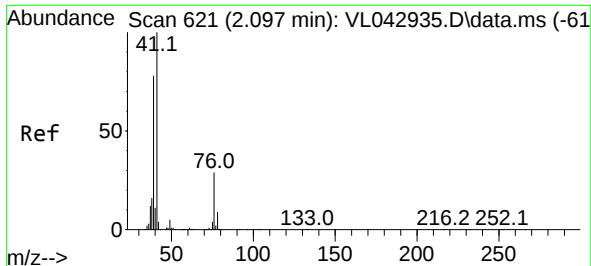
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#20
Methylene Chloride
Concen: 0.670 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Tgt Ion: 84 Resp: 5602
Ion Ratio Lower Upper
84 100
49 138.1 121.8 182.6
51 59.4 35.6 53.4#
86 68.8 53.4 80.2





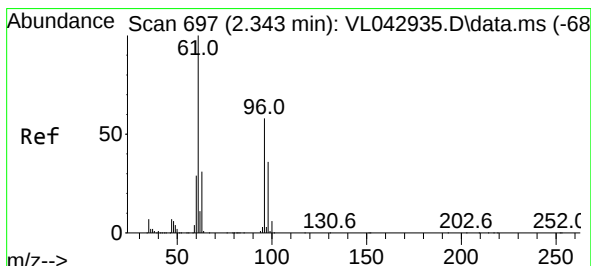
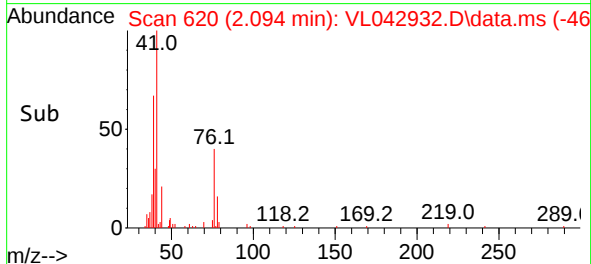
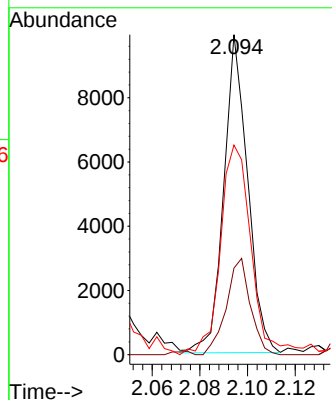
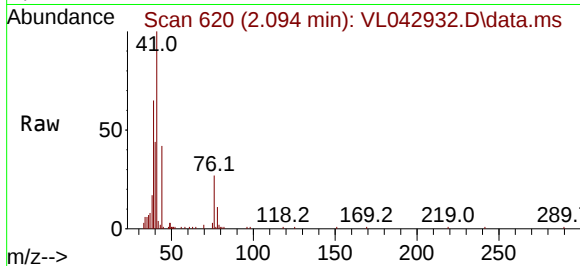
#21
 Allyl Chloride
 Concen: 0.531 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL042932.D
 Acq: 17 Sep 2025 11:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 6908
 Ion Ratio Lower Upper
 41 100
 76 31.2 23.8 35.6
 39 88.4 63.2 94.8

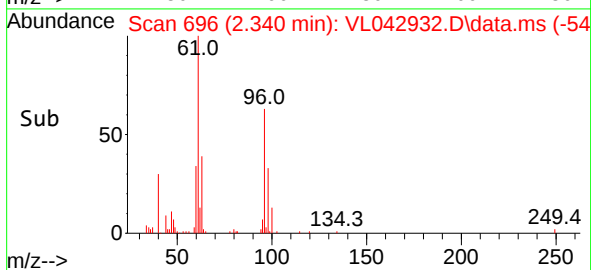
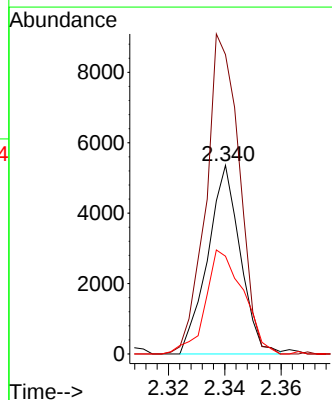
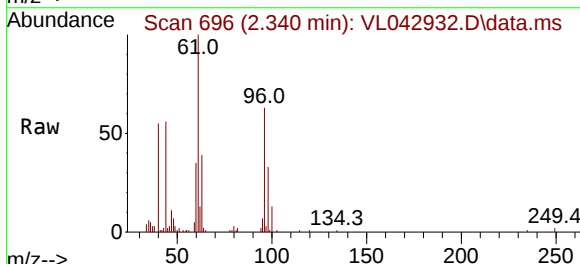
Manual Integrations
 APPROVED

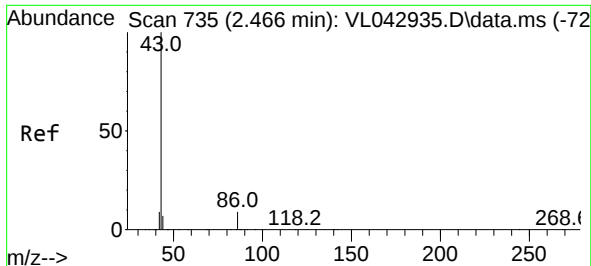
Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.502 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.003 min
 Lab File: VL042932.D
 Acq: 17 Sep 2025 11:58

Tgt Ion: 96 Resp: 4297
 Ion Ratio Lower Upper
 96 100
 61 158.8 139.0 208.6
 98 51.9 49.4 74.2





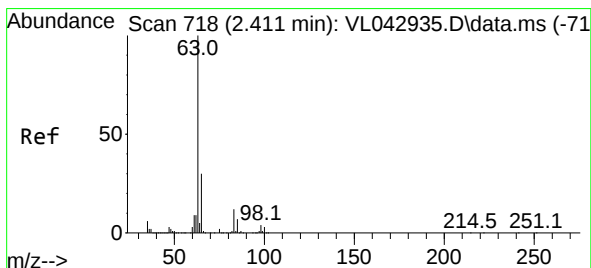
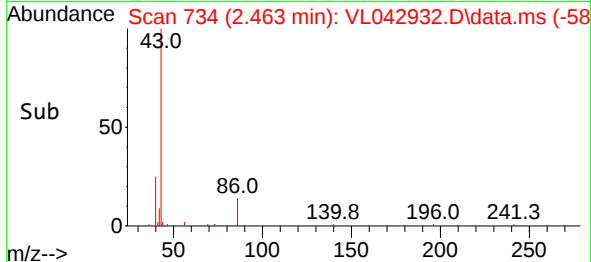
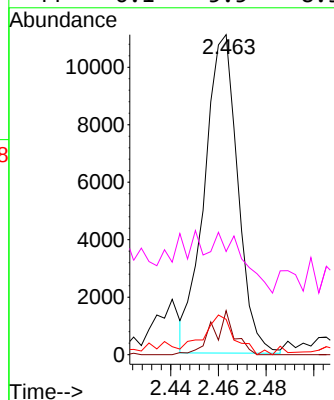
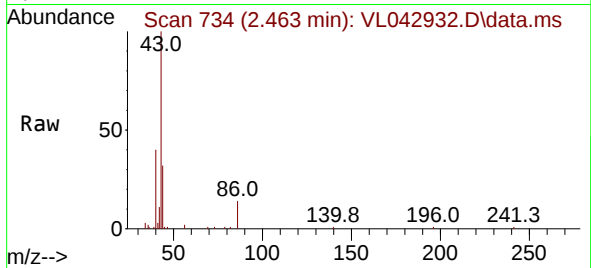
#23
 Vinyl Acetate
 Concen: 0.481 ppbv
 RT: 2.463 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL042932.D
 Acq: 17 Sep 2025 11:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43	Resp: 1074
Ion Ratio	Lower Upper
43 100	
86 13.9	6.4 9.6
42 9.4	7.5 11.3
44 6.1	5.5 8.3

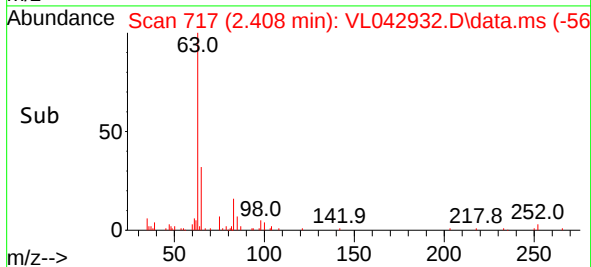
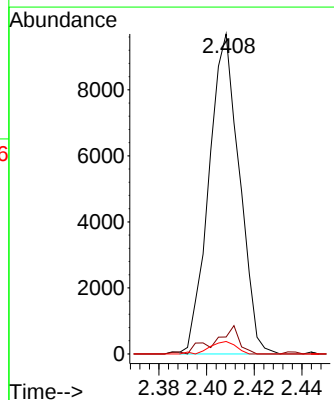
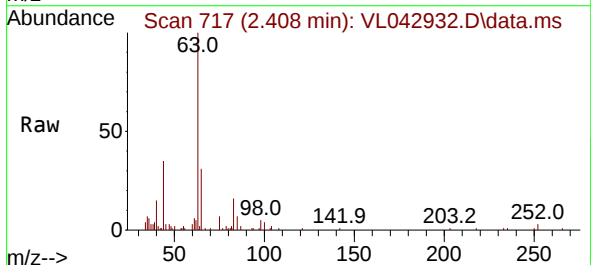
Manual Integrations
 APPROVED

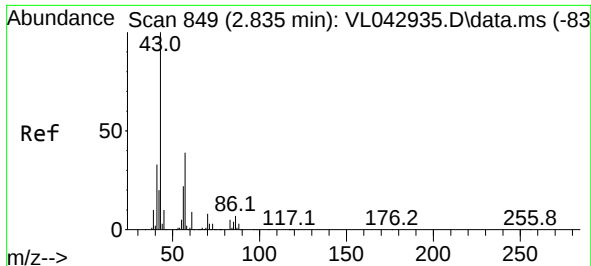
Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#24
 1,1-Dichloroethane
 Concen: 0.511 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL042932.D
 Acq: 17 Sep 2025 11:58

Tgt Ion: 63	Resp: 8640
Ion Ratio	Lower Upper
63 100	
98 5.3	2.2 6.6
100 3.9	1.7 5.1





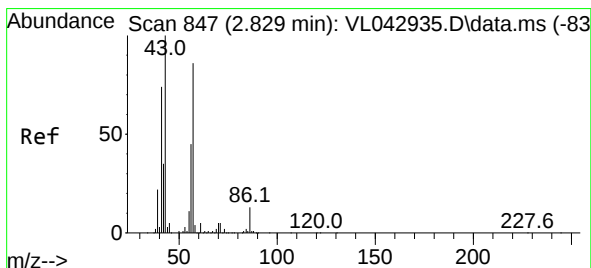
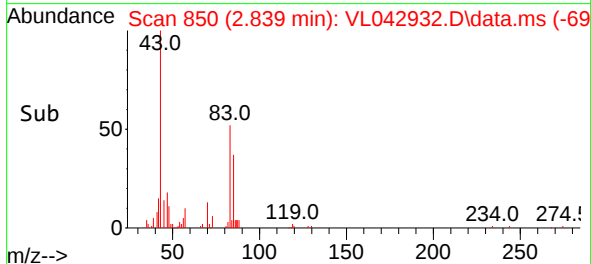
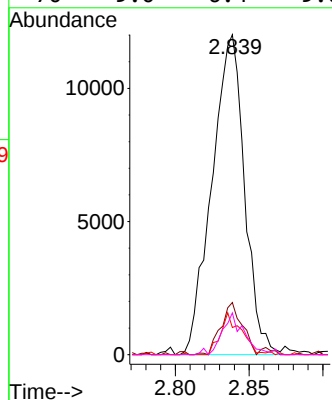
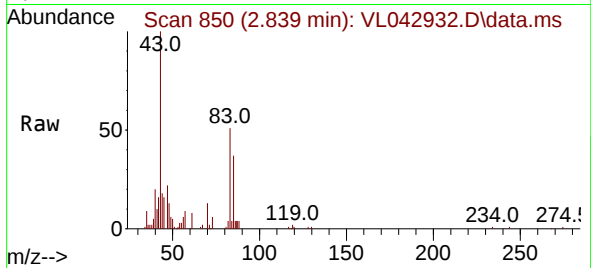
#25
Ethyl Acetate
Concen: 0.450 ppbv
RT: 2.839 min Scan# 849
Delta R.T. 0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43	Resp: 1845
Ion Ratio	Lower Upper
43 100	
45 11.5	7.8 11.8
61 8.4	7.2 10.8
70 9.0	6.4 9.6

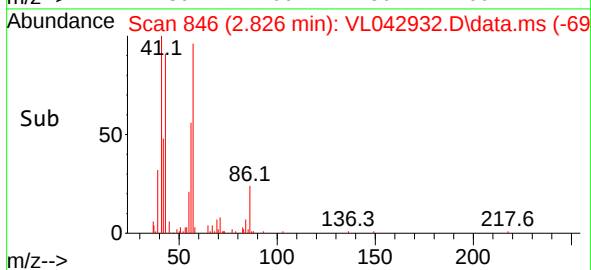
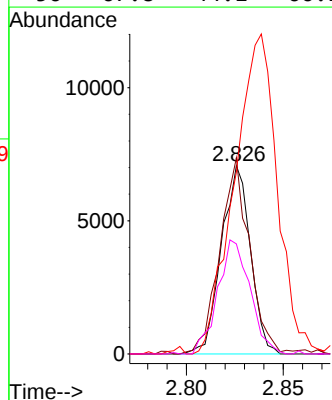
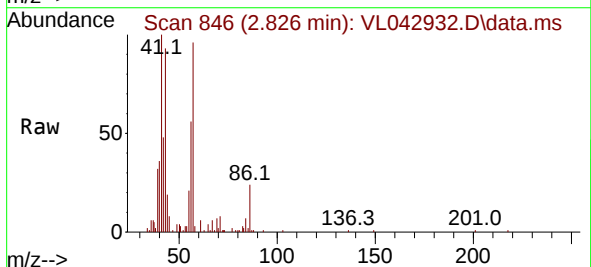
Manual Integrations
APPROVED

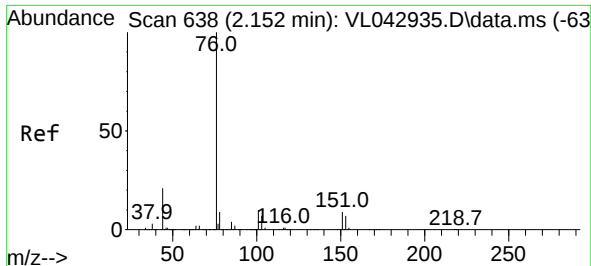
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#26
Hexane
Concen: 0.417 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Tgt Ion: 57	Resp: 7346
Ion Ratio	Lower Upper
57 100	
41 108.7	71.3 106.9#
43 255.3	183.9 275.9
56 67.8	44.1 66.1#





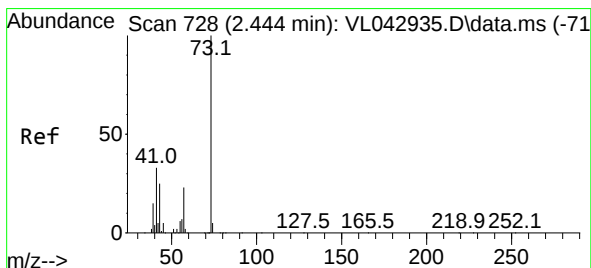
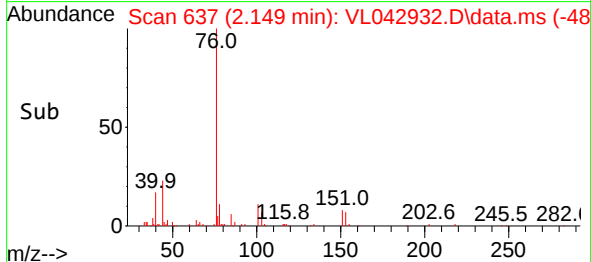
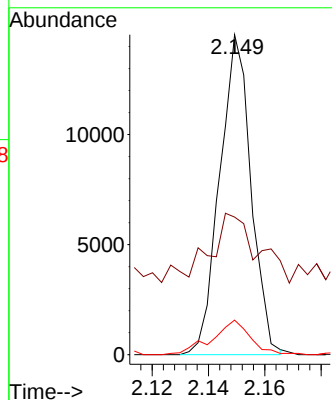
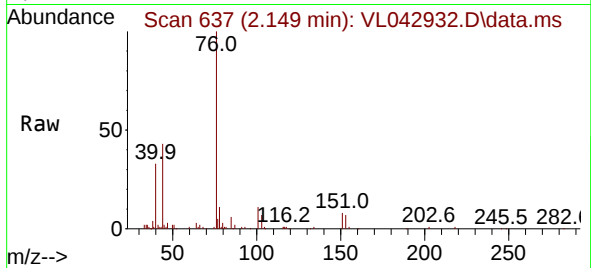
#27
Carbon Disulfide
Concen: 0.517 ppbv
RT: 2.149 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 76 Resp: 1123
Ion Ratio Lower Upper
76 100
44 90.6 15.4 23.0
78 13.2 9.1 13.7

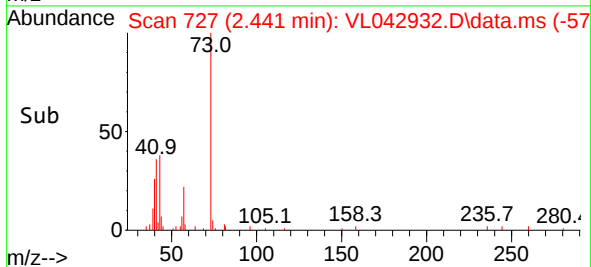
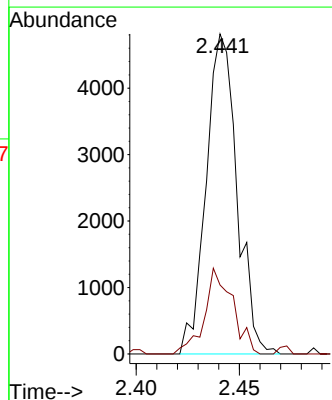
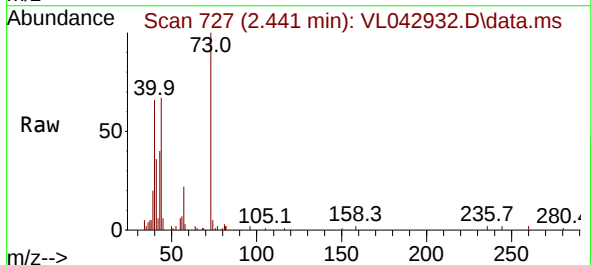
Manual Integrations
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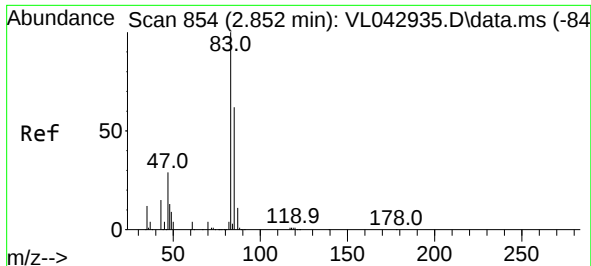
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#28
Methyl tert-Butyl Ether
Concen: 0.520 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Tgt Ion: 73 Resp: 5027
Ion Ratio Lower Upper
73 100
57 25.0 18.6 28.0





#29

Chloroform

Concen: 0.490 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL042932.D

Acq: 17 Sep 2025 11:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 1410

Ion Ratio Lower Upper

83 100

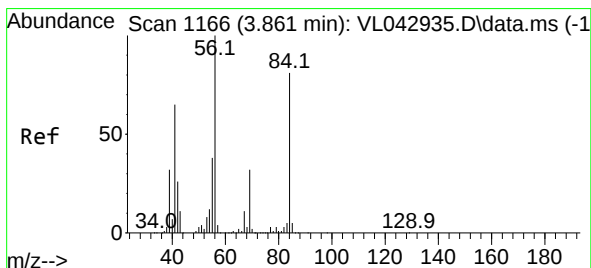
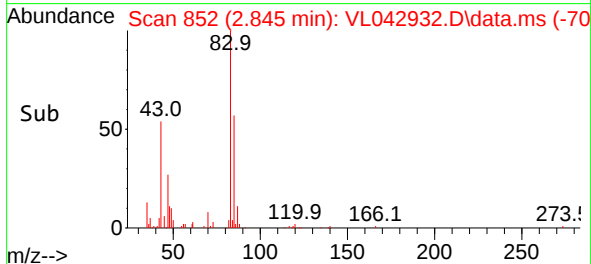
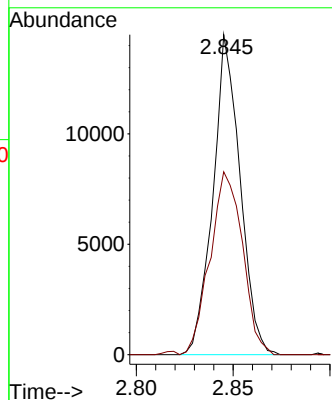
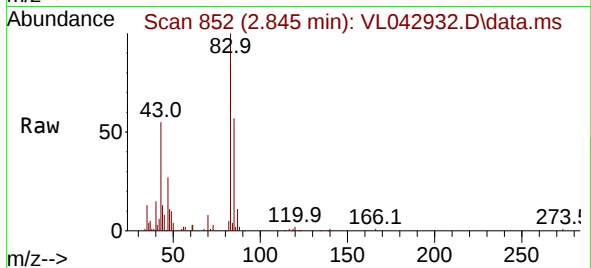
85 57.1 49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#30

Cyclohexane

Concen: 0.369 ppbv m

RT: 3.852 min Scan# 1163

Delta R.T. -0.010 min

Lab File: VL042932.D

Acq: 17 Sep 2025 11:58

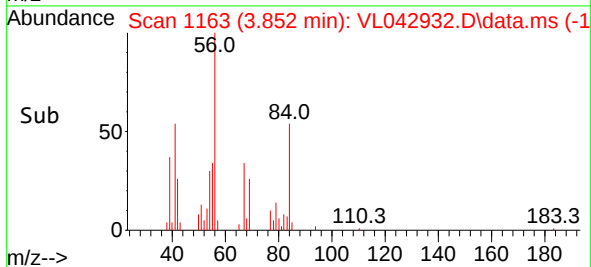
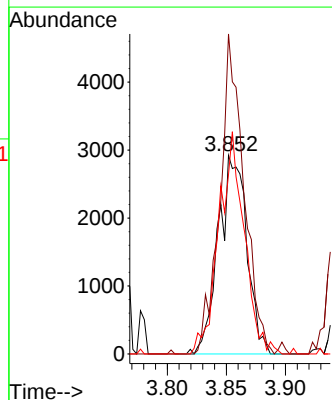
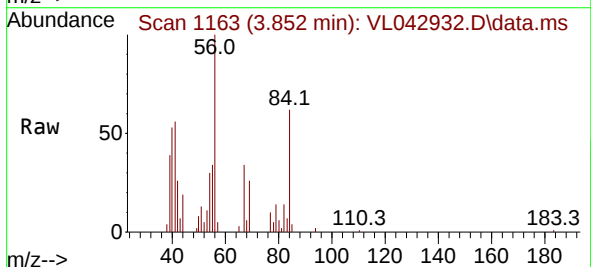
Tgt Ion: 84 Resp: 4888

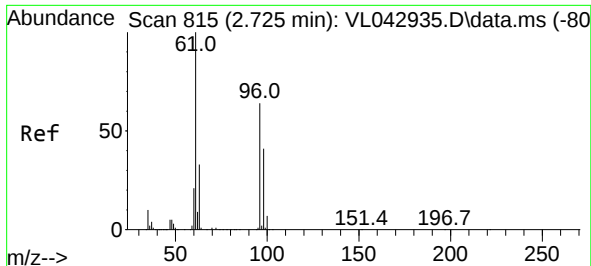
Ion Ratio Lower Upper

84 100

56 137.5 100.6 150.8

41 101.0 65.4 98.0#





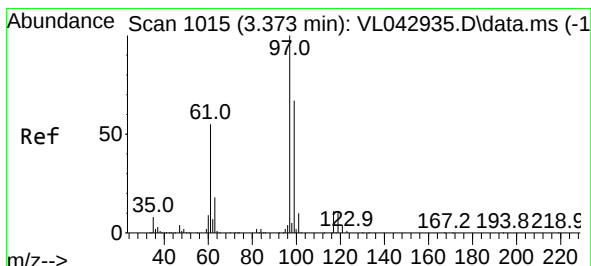
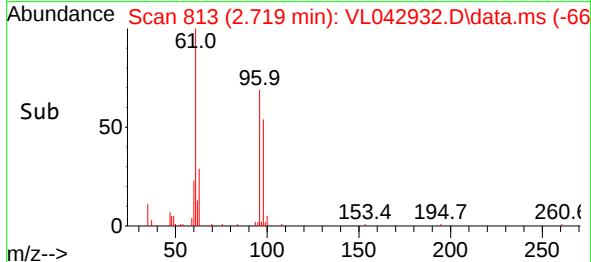
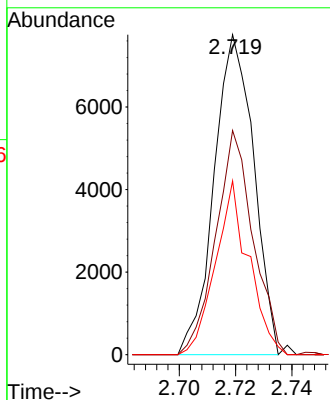
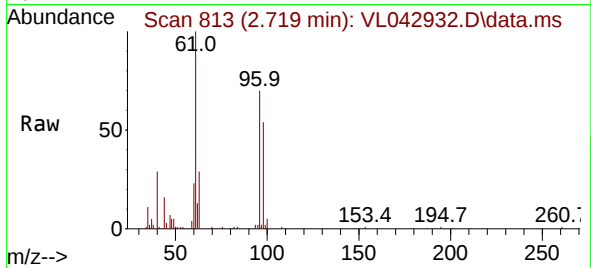
#31
cis-1,2-Dichloroethene
Concen: 0.440 ppbv
RT: 2.719 min Scan# 815
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 61 Resp: 7560
Ion Ratio Lower Upper
61 100
96 70.1 51.4 77.2
98 54.3 32.8 49.2

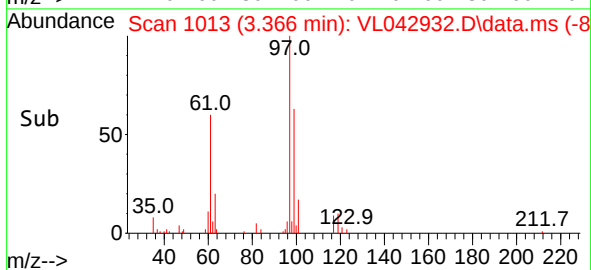
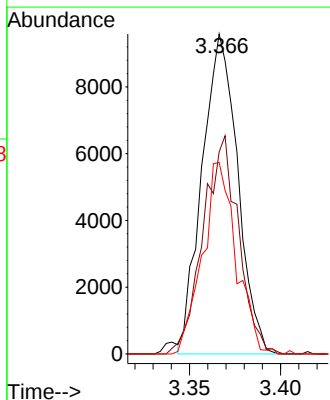
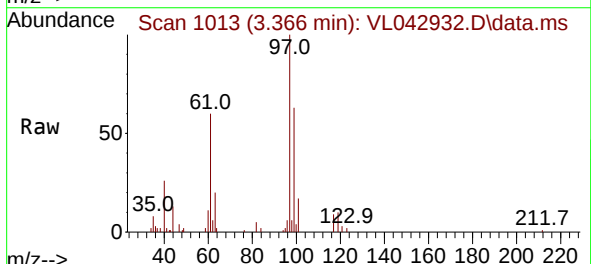
Manual Integrations
APPROVED

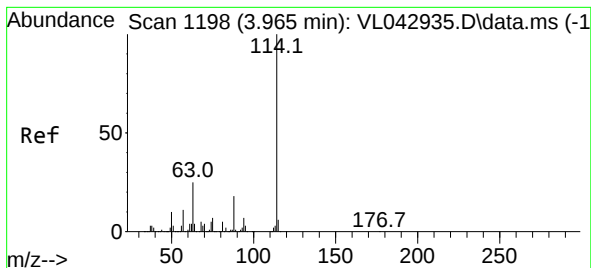
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#32
1,1,1-Trichloroethane
Concen: 0.484 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Tgt Ion: 97 Resp: 13029
Ion Ratio Lower Upper
97 100
99 67.7 51.0 76.4
61 57.0 43.2 64.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.010 min

Lab File: VL042932.D

Acq: 17 Sep 2025 11:58

Instrument :

MSVOA_L

ClientSampleId :

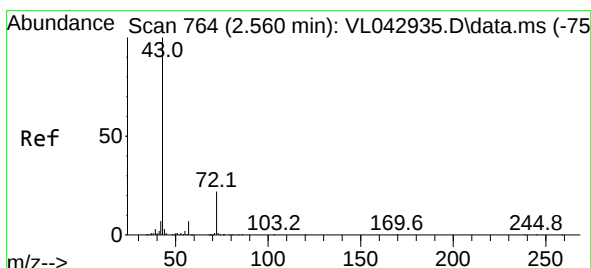
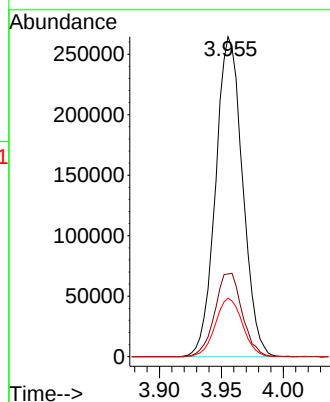
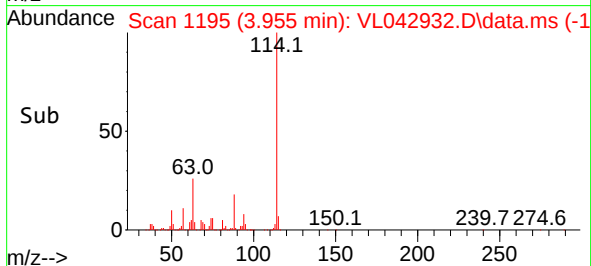
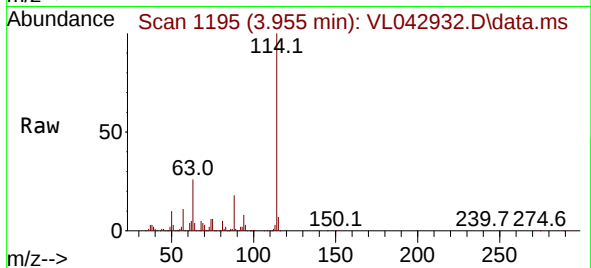
VSTDIC0.5

Tgt Ion:	114	Resp:	40124
Ion Ratio	Lower	Upper	
114	100		
63	26.5	21.1	31.7
88	18.4	14.6	22.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#34

2-Butanone

Concen: 0.460 ppbv

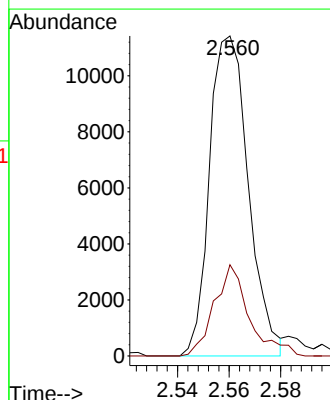
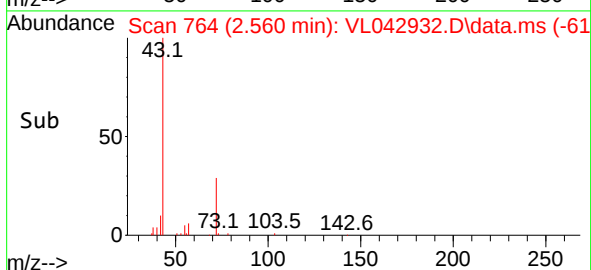
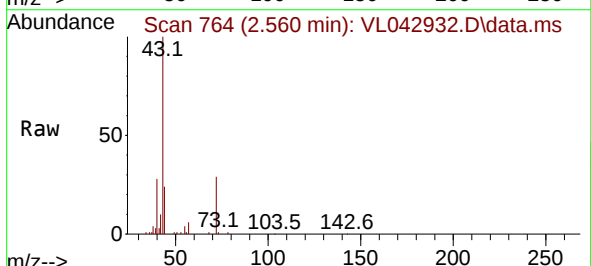
RT: 2.560 min Scan# 764

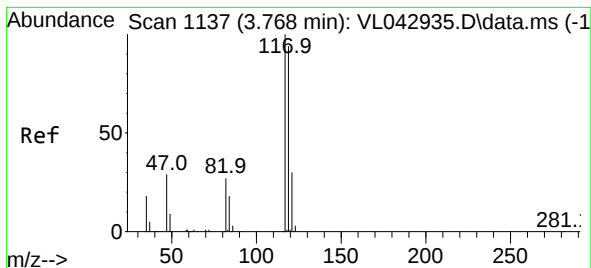
Delta R.T. 0.000 min

Lab File: VL042932.D

Acq: 17 Sep 2025 11:58

Tgt Ion:	43	Resp:	11954
Ion Ratio	Lower	Upper	
43	100		
72	25.5	17.2	25.8





#35

Carbon Tetrachloride

Concen: 0.485 ppbv m

RT: 3.755 min Scan# 1137

Delta R.T. -0.013 min

Lab File: VL042932.D

Acq: 17 Sep 2025 11:58

Instrument :

MSVOA_L

ClientSampleId :

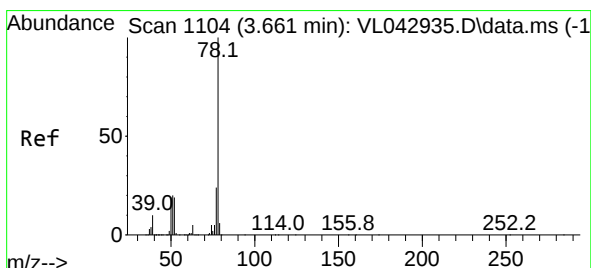
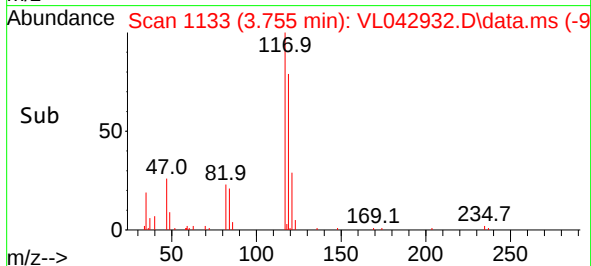
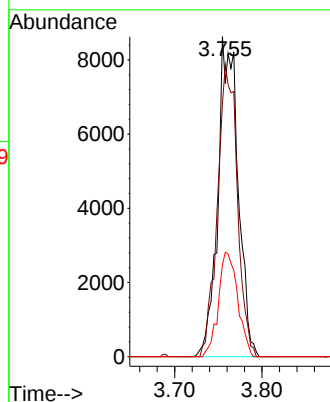
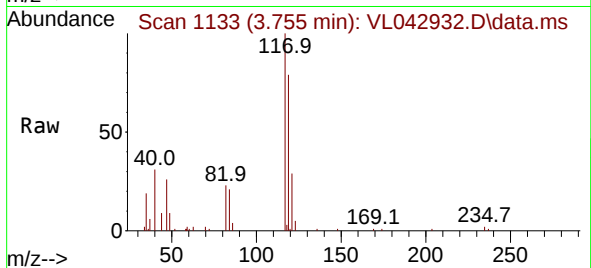
VSTDIC0.5

Tgt Ion:117	Resp:	1384
Ion Ratio	Lower	Upper
117	100	
119	79.0	74.9 112.3
121	28.8	24.0 36.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#36

Benzene

Concen: 0.467 ppbv

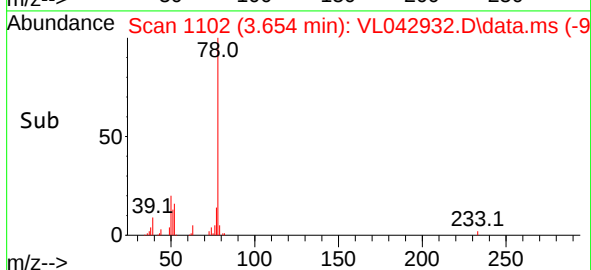
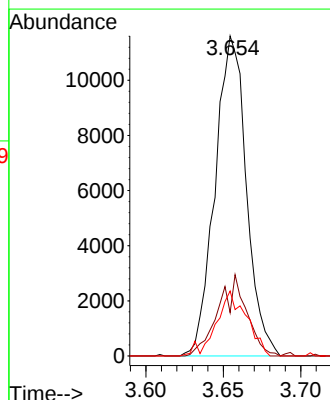
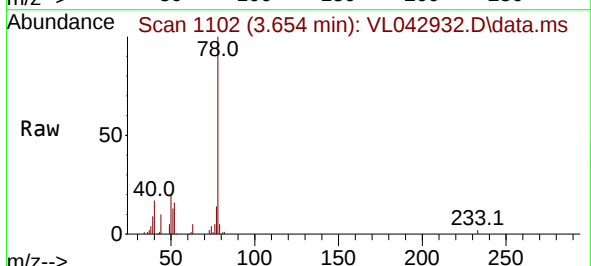
RT: 3.654 min Scan# 1102

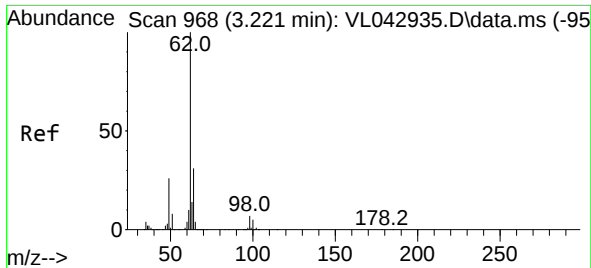
Delta R.T. -0.006 min

Lab File: VL042932.D

Acq: 17 Sep 2025 11:58

Tgt Ion: 78	Resp:	16361
Ion Ratio	Lower	Upper
78	100	
77	13.5	19.2 28.8#
50	20.3	14.8 22.2





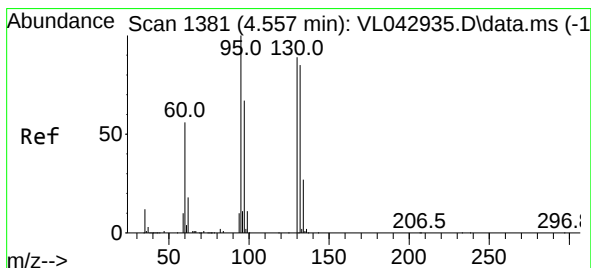
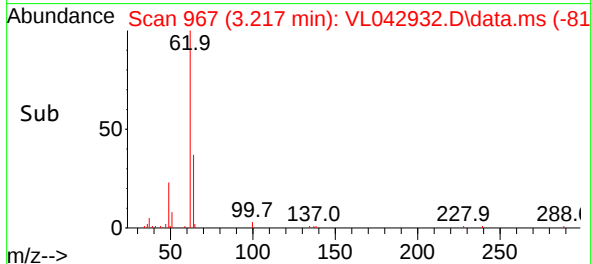
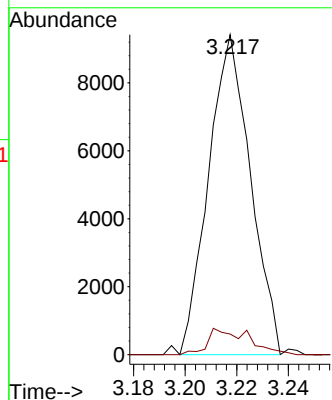
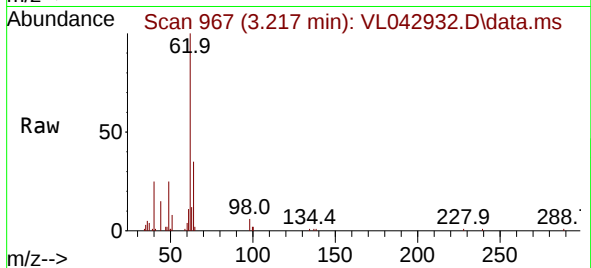
#37
1,2-Dichloroethane
Concen: 0.507 ppbv
RT: 3.217 min Scan# 90
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 62 Resp: 10620
Ion Ratio Lower Upper
62 100
98 8.1 5.5 8.3

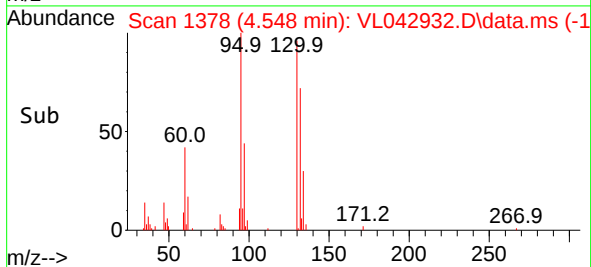
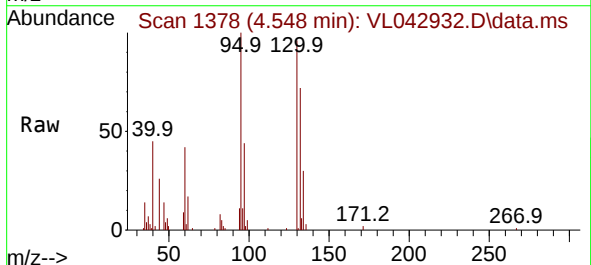
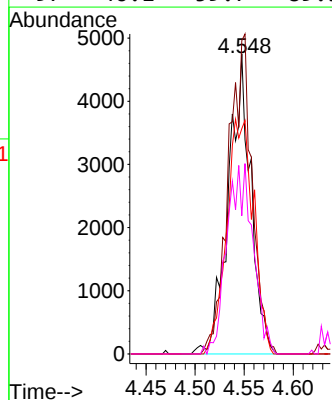
Manual Integrations
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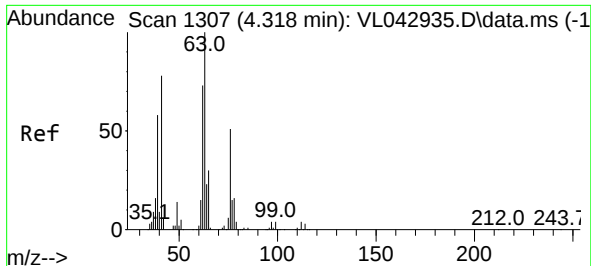
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#38
Trichloroethene
Concen: 0.472 ppbv m
RT: 4.548 min Scan# 1378
Delta R.T. -0.010 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Tgt Ion:130 Resp: 7478
Ion Ratio Lower Upper
130 100
95 104.4 89.8 134.6
132 75.1 76.3 114.5#
97 46.1 59.7 89.5#





#39

1,2-Dichloropropane

Concen: 0.508 ppbv

RT: 4.308 min Scan# 1307

Delta R.T. -0.010 min

Lab File: VL042932.D

Acq: 17 Sep 2025 11:58

Instrument :

MSVOA_L

ClientSampleId :

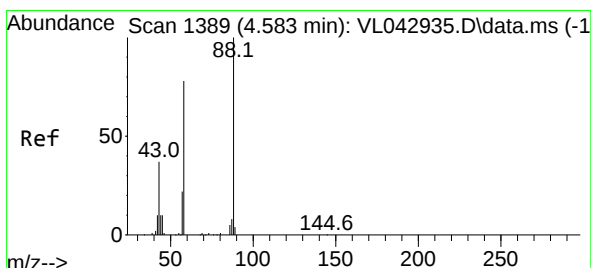
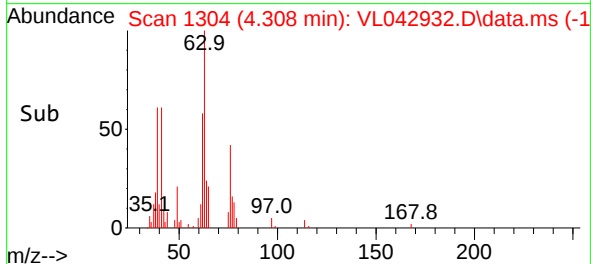
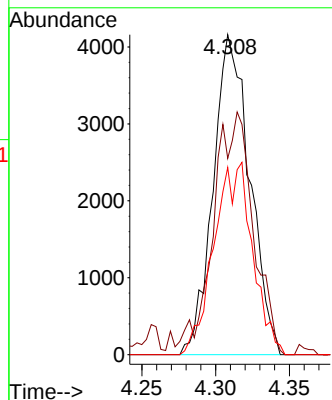
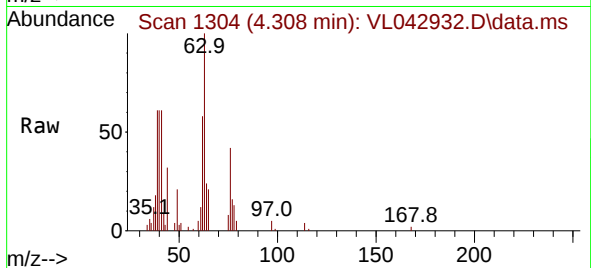
VSTDIC0.5

Tgt Ion:	63	Resp:	718
Ion	Ratio	Lower	Upper
63	100		
41	60.0	62.7	94.1
62	58.5	58.4	87.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#40

1,4-Dioxane

Concen: 0.397 ppbv m

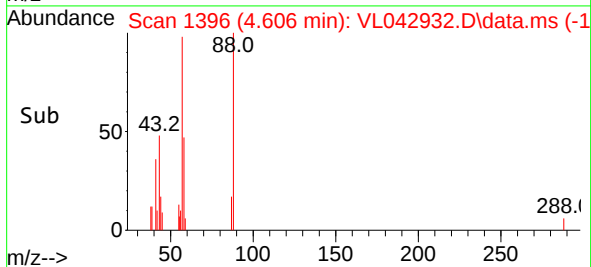
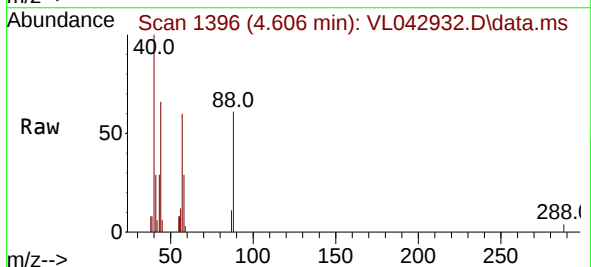
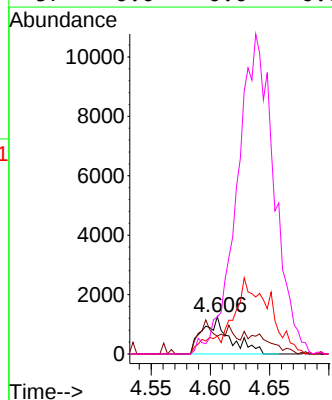
RT: 4.606 min Scan# 1396

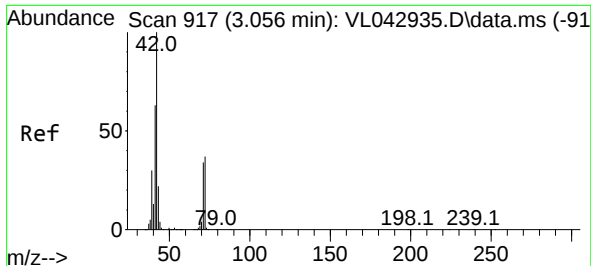
Delta R.T. 0.023 min

Lab File: VL042932.D

Acq: 17 Sep 2025 11:58

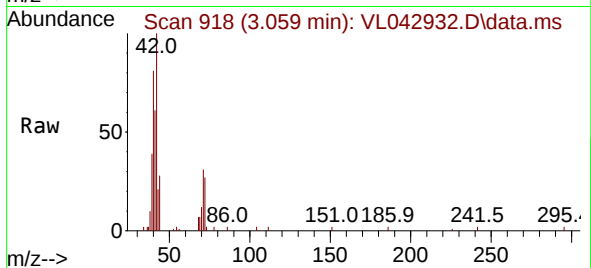
Tgt Ion:	88	Resp:	1992
Ion	Ratio	Lower	Upper
88	100		
58	148.8	61.5	92.3
43	0.0	28.3	42.5
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.455 ppbv m
RT: 3.059 min Scan# 917
Delta R.T. 0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

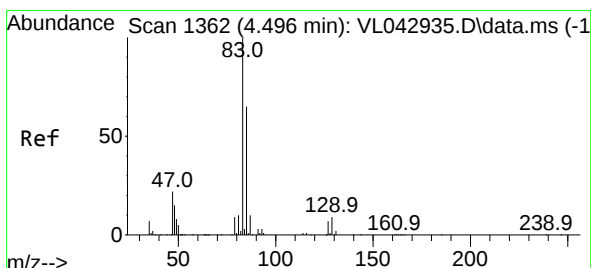
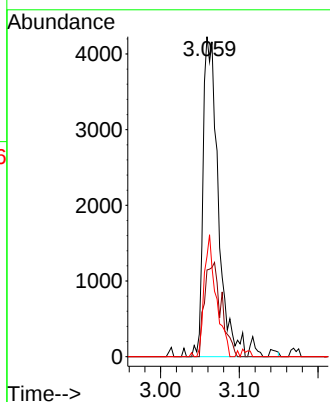
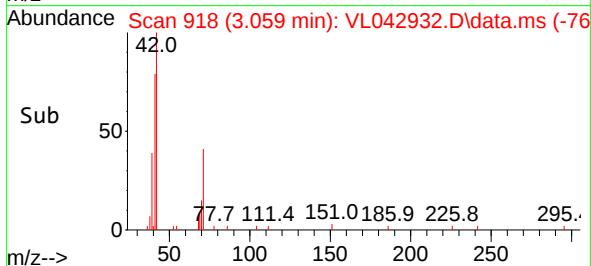
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 42 Resp: 582
Ion Ratio Lower Upper
42 100
72 0.0 30.4 45.6
71 0.0 28.3 42.5

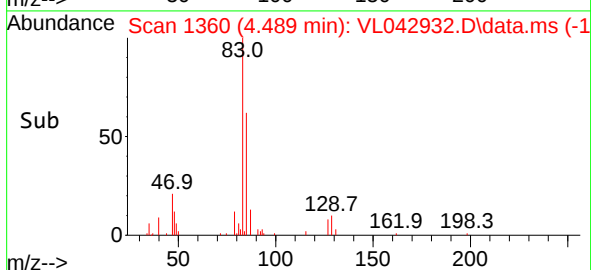
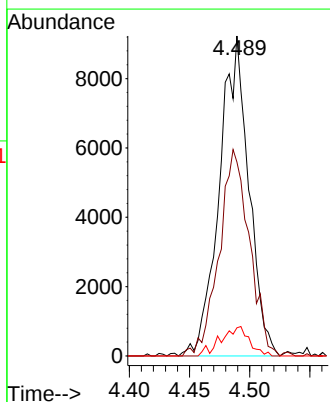
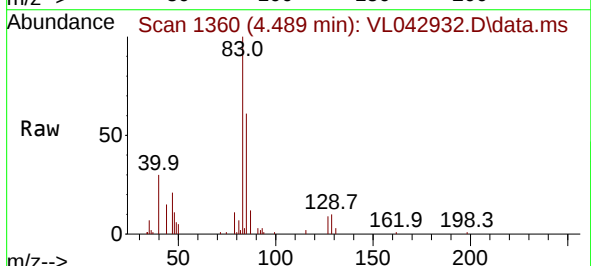
Manual Integrations
APPROVED

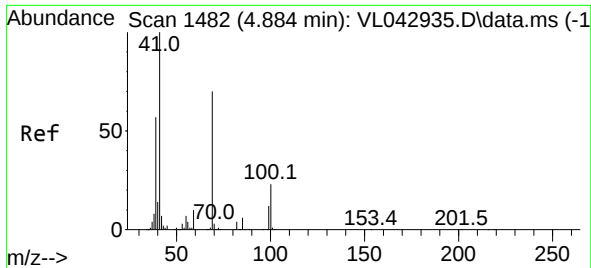
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#42
Bromodichloromethane
Concen: 0.522 ppbv m
RT: 4.489 min Scan# 1360
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Tgt Ion: 83 Resp: 15717
Ion Ratio Lower Upper
83 100
85 60.6 52.1 78.1
127 8.8 6.0 9.0





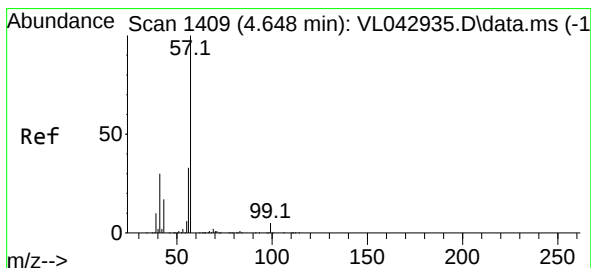
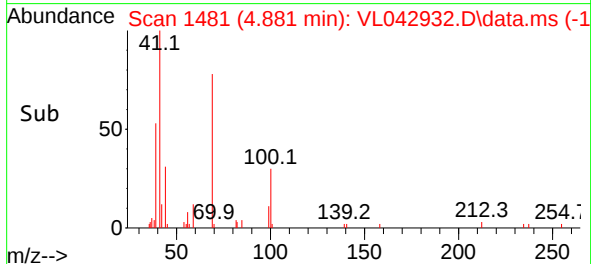
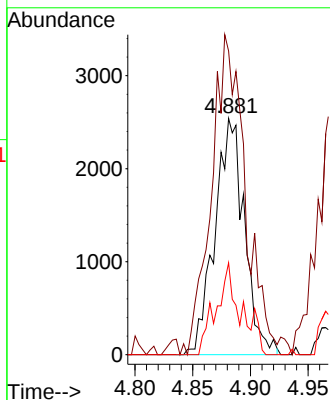
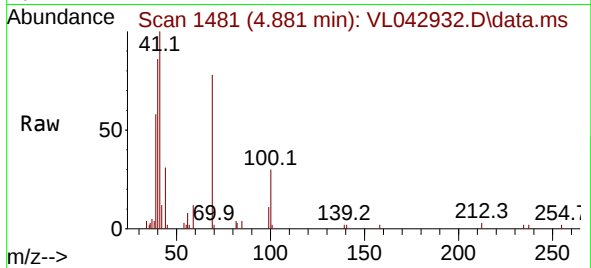
#43
Methyl Methacrylate
Concen: 0.388 ppbv m
RT: 4.881 min Scan# 1482
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 69 Resp: 4550
Ion Ratio Lower Upper
69 100
41 0.0 118.6 178.0
100 0.0 26.2 39.4

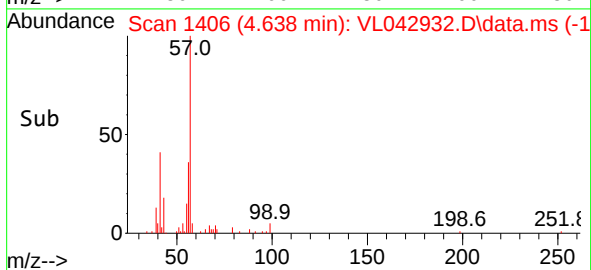
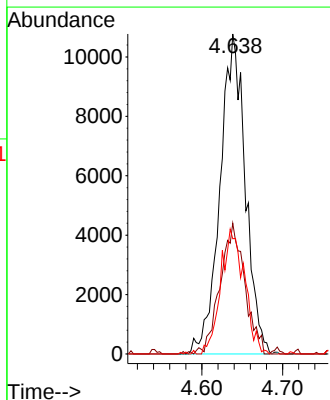
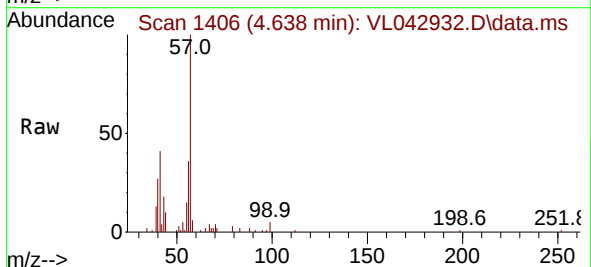
Manual Integrations
APPROVED

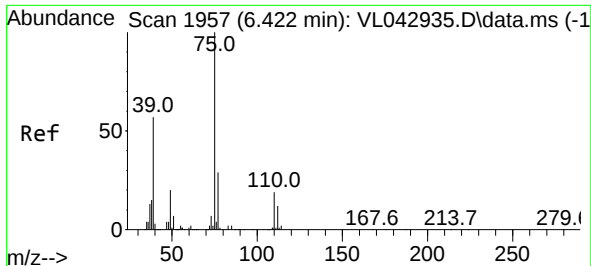
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#44
2,2,4-Trimethylpentane
Concen: 0.402 ppbv m
RT: 4.638 min Scan# 1406
Delta R.T. -0.010 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Tgt Ion: 57 Resp: 23481
Ion Ratio Lower Upper
57 100
41 40.2 25.8 38.6
56 36.8 26.2 39.4





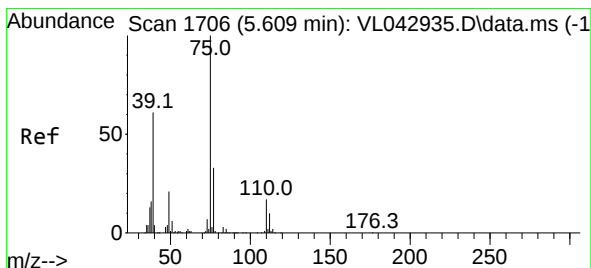
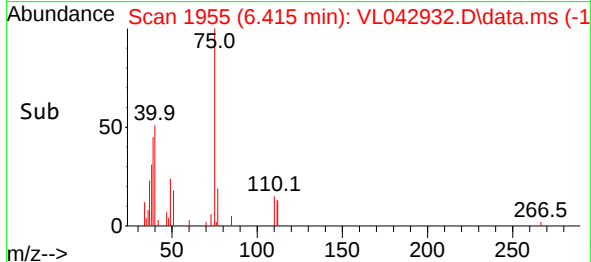
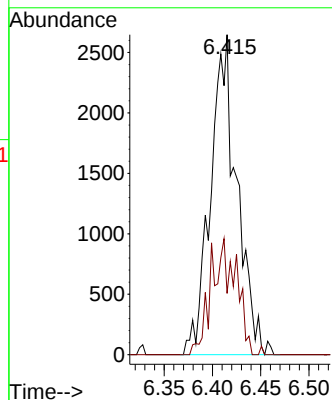
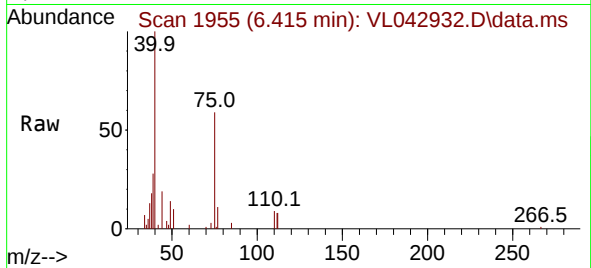
#45
t-1,3-Dichloropropene
Concen: 0.408 ppbv m
RT: 6.415 min Scan# 1955
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 75 Resp: 5044
Ion Ratio Lower Upper
75 100
77 19.2 23.5 35.3

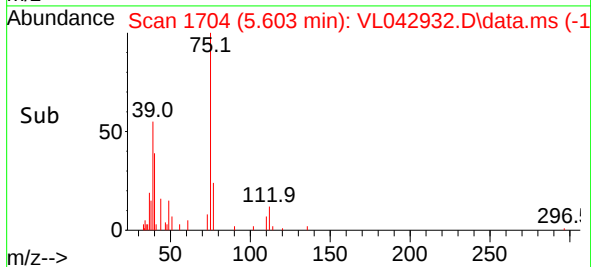
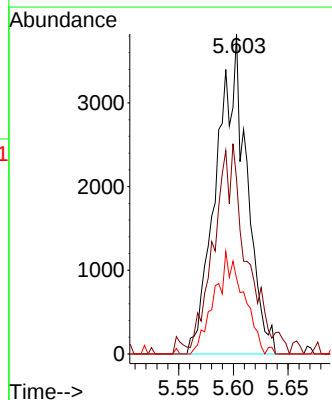
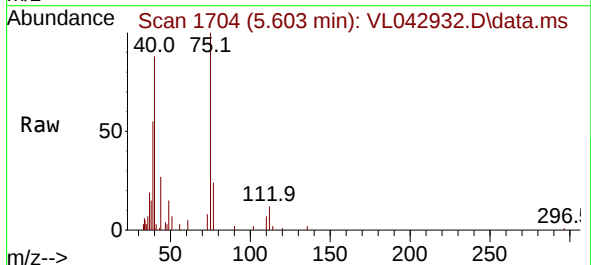
Manual Integrations
APPROVED

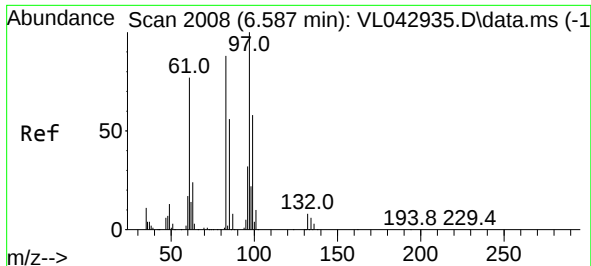
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#46
cis-1,3-Dichloropropene
Concen: 0.431 ppbv m
RT: 5.603 min Scan# 1704
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Tgt Ion: 75 Resp: 7341
Ion Ratio Lower Upper
75 100
39 54.7 49.0 73.4
77 23.7 26.2 39.2





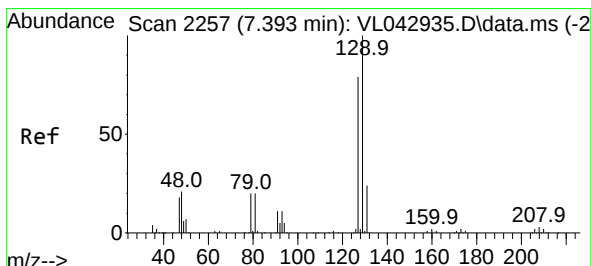
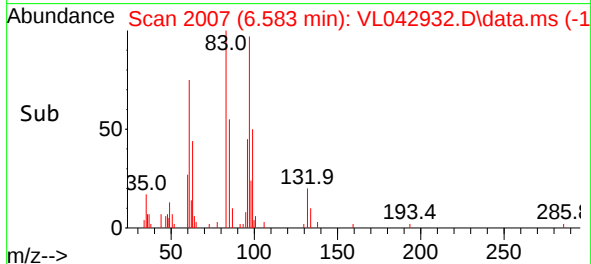
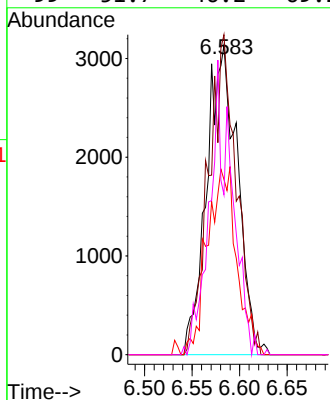
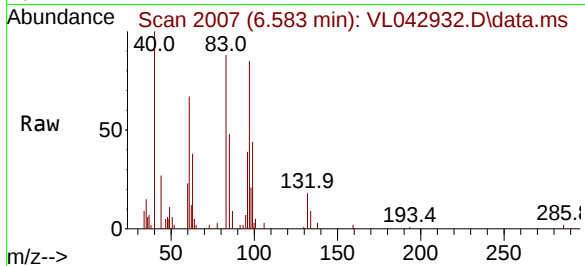
#47
 1,1,2-Trichloroethane
 Concen: 0.490 ppbv m
 RT: 6.583 min Scan# 2007
 Delta R.T. -0.003 min
 Lab File: VL042932.D
 Acq: 17 Sep 2025 11:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 97	Resp: 706
Ion Ratio	Lower Upper
97 100	
83 103.5	70.6 106.0
85 56.7	44.9 67.3
99 51.7	46.2 69.2

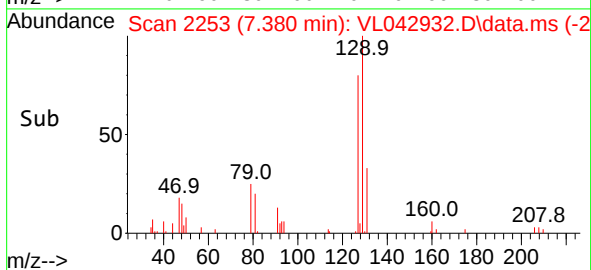
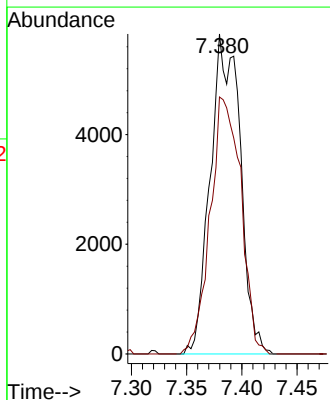
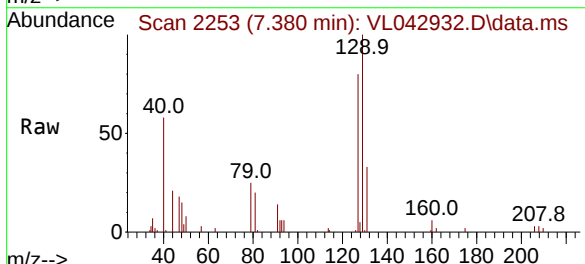
Manual Integrations
 APPROVED

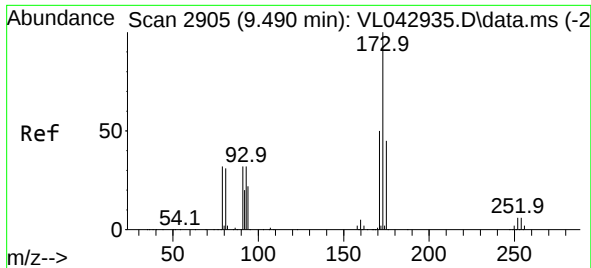
Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#48
 Dibromochloromethane
 Concen: 0.487 ppbv m
 RT: 7.380 min Scan# 2253
 Delta R.T. -0.013 min
 Lab File: VL042932.D
 Acq: 17 Sep 2025 11:58

Tgt Ion: 129	Resp: 10997
Ion Ratio	Lower Upper
129 100	
127 82.1	38.8 116.3





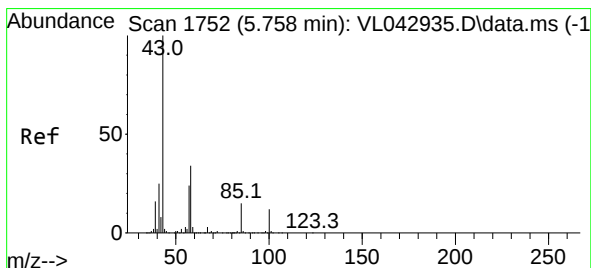
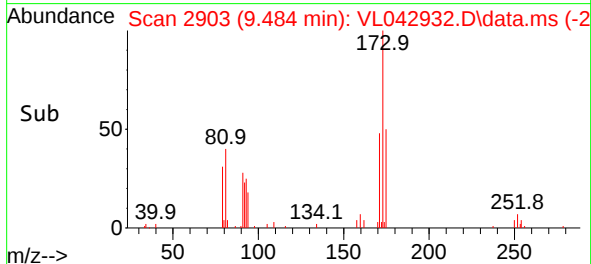
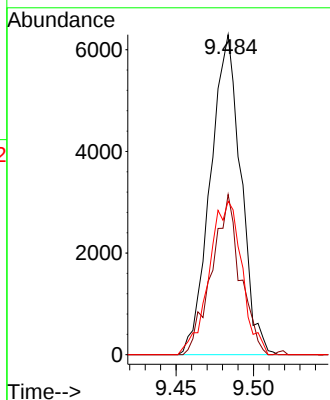
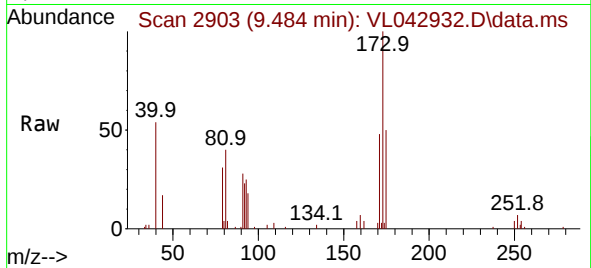
#49
Bromoform
Concen: 0.489 ppbv
RT: 9.484 min Scan# 2905
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 8614
Ion Ratio Lower Upper
173 100
175 47.2 38.6 58.0
171 51.5 41.7 62.5

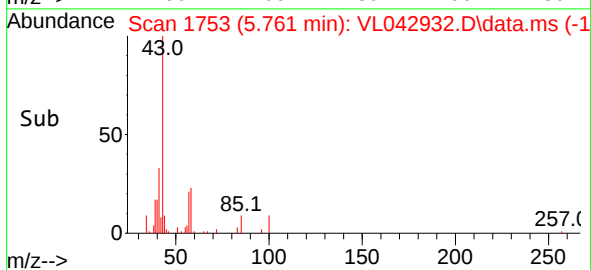
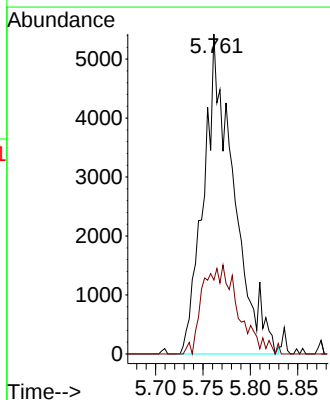
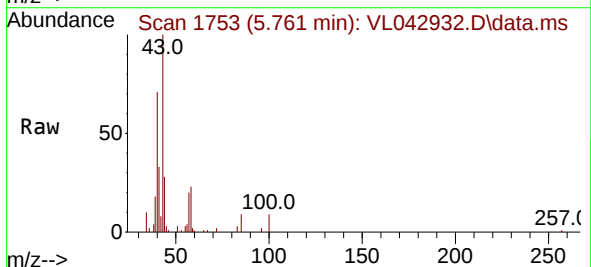
Manual Integrations
APPROVED

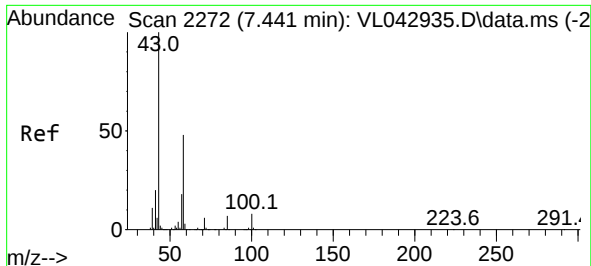
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#50
4-Methyl-2-Pentanone
Concen: 0.385 ppbv m
RT: 5.761 min Scan# 1753
Delta R.T. 0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

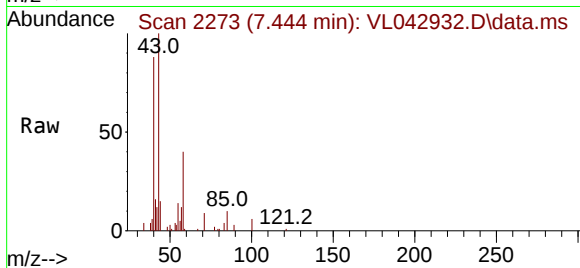
Tgt Ion: 43 Resp: 11932
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#





#51
2-Hexanone
Concen: 0.372 ppbv m
RT: 7.444 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

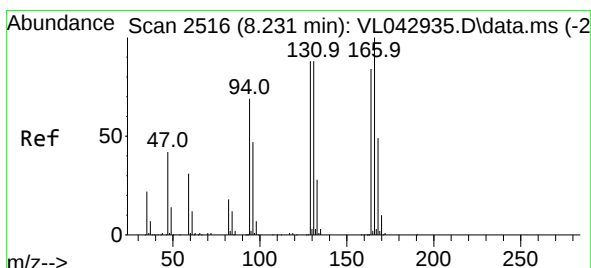
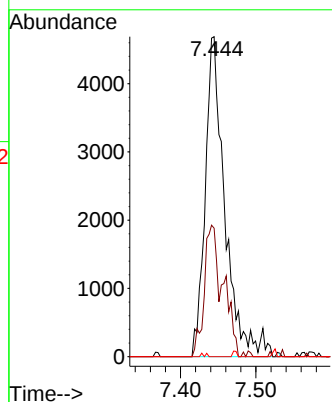
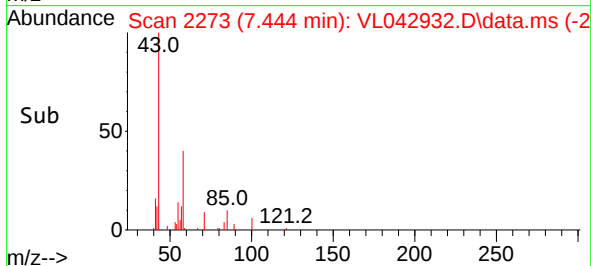
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 8494
Ion Ratio Lower Upper
43 100
58 39.2 37.9 56.9
98 0.2 0.7 1.1

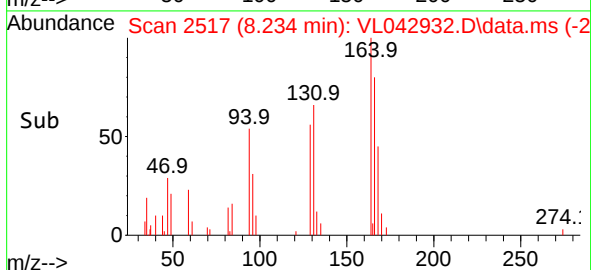
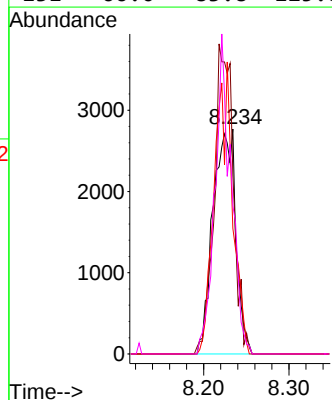
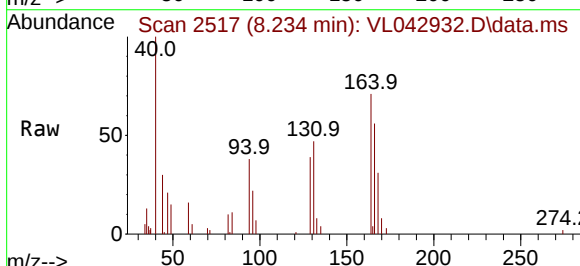
Manual Integrations
APPROVED

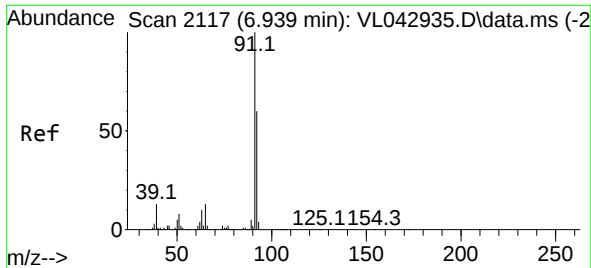
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#52
Tetrachloroethene
Concen: 0.471 ppbv m
RT: 8.234 min Scan# 2517
Delta R.T. 0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

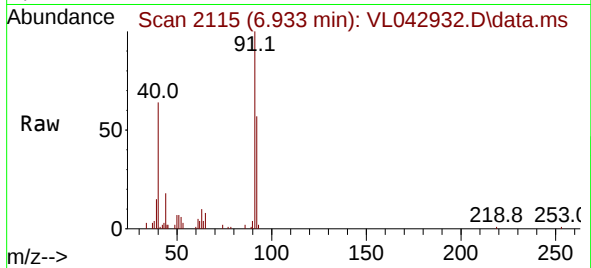
Tgt Ion:164 Resp: 5126
Ion Ratio Lower Upper
164 100
166 79.6 95.4 143.0#
129 55.9 84.0 126.0#
131 66.0 83.8 125.8#





#53
Toluene
Concen: 0.368 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

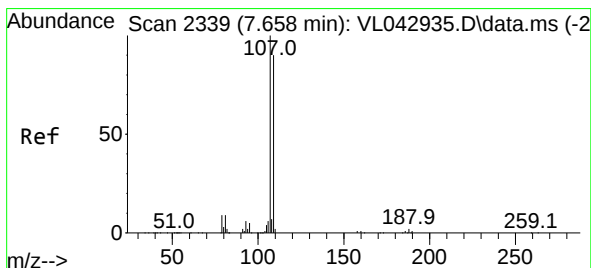
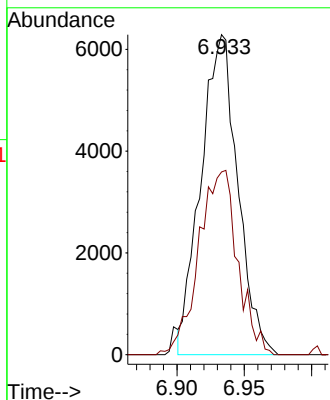
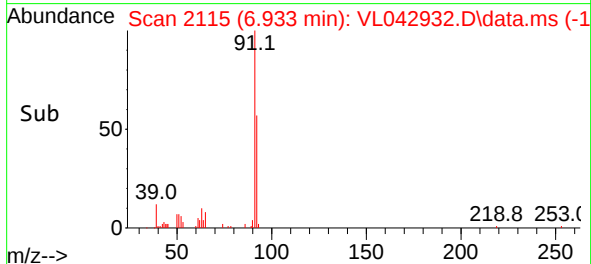
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



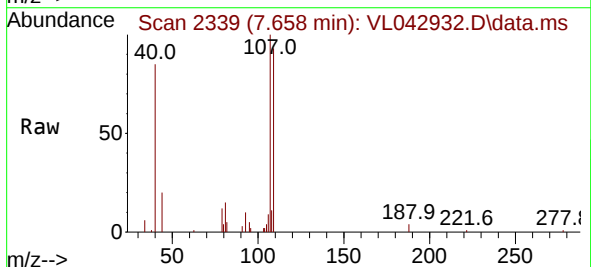
Tgt Ion: 91 Resp: 1199
Ion Ratio Lower Upper
91 100
92 60.7 47.4 71.2

Manual Integrations
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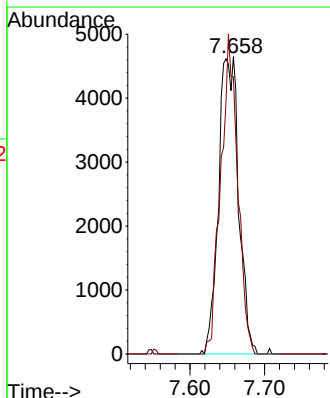
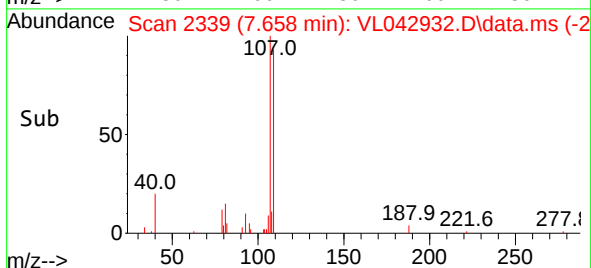
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

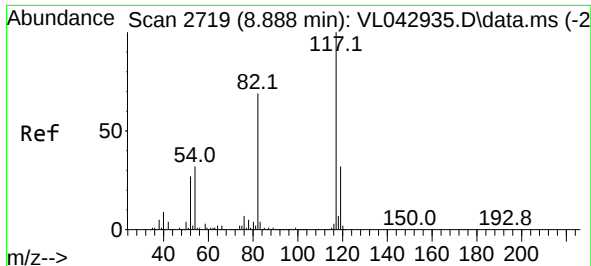


#54
1,2-Dibromoethane
Concen: 0.472 ppbv m
RT: 7.658 min Scan# 2339
Delta R.T. 0.000 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58



Tgt Ion:107 Resp: 8754
Ion Ratio Lower Upper
107 100
109 93.1 71.8 107.6





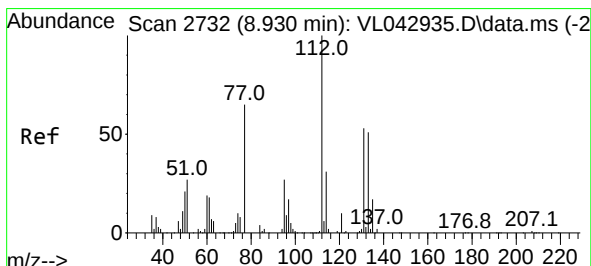
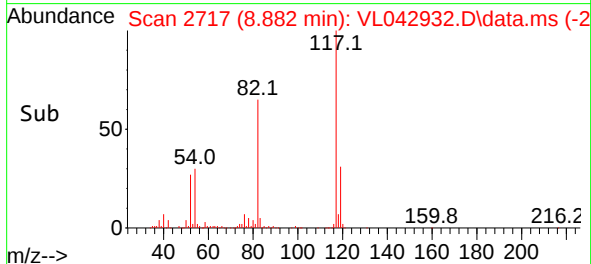
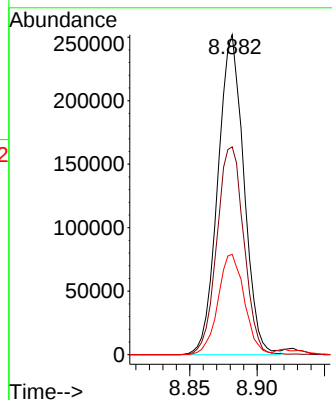
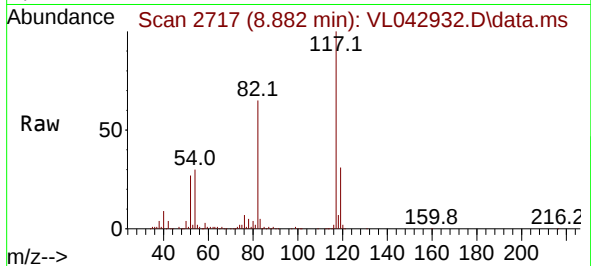
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2719
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:117 Resp: 338744
Ion Ratio Lower Upper
117 100
82 67.5 56.1 84.1
119 33.5 25.8 38.8

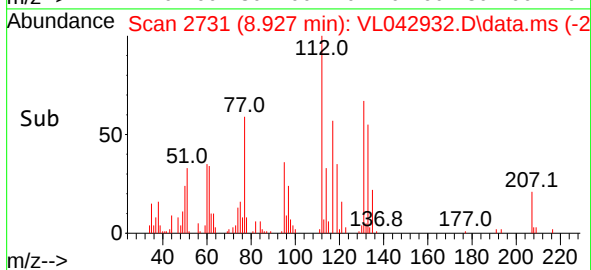
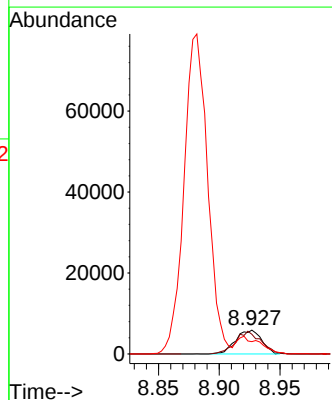
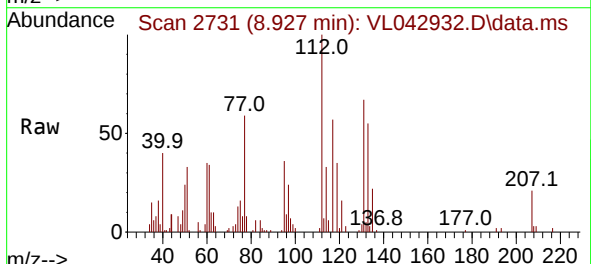
Manual Integrations
APPROVED

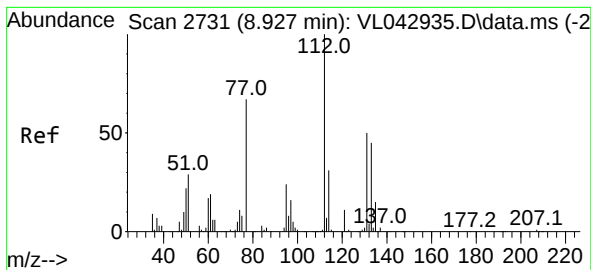
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.507 ppbv m
RT: 8.927 min Scan# 2731
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

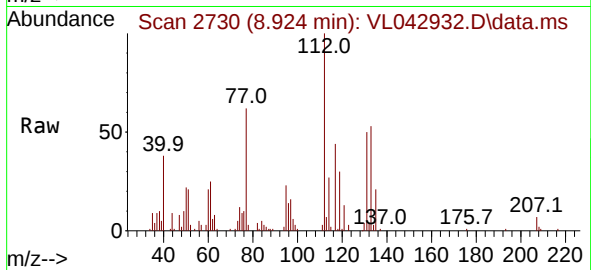
Tgt Ion:131 Resp: 8760
Ion Ratio Lower Upper
131 100
133 93.1 76.1 114.1
119 0.0 53.4 80.2#





#57
Chlorobenzene
Concen: 0.514 ppbv
RT: 8.924 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

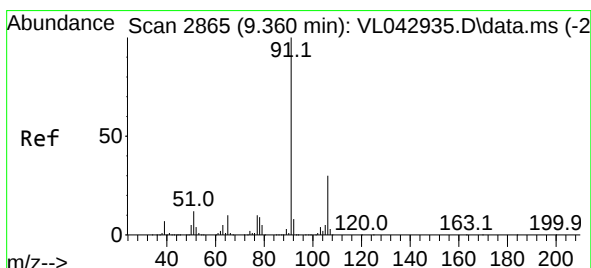
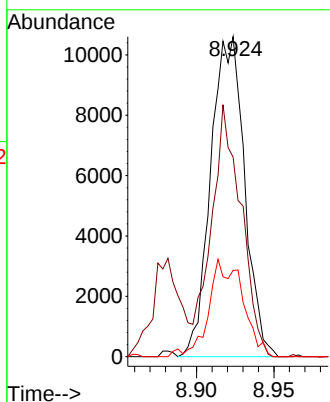
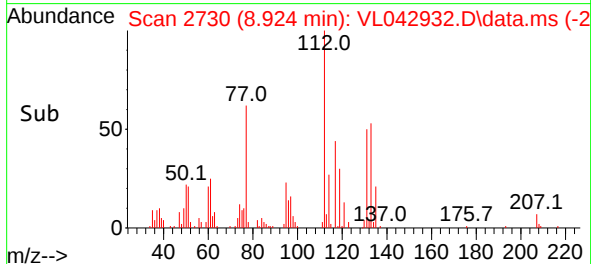
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 112 Resp: 16080
Ion Ratio Lower Upper
112 100
77 62.4 54.8 82.2
114 26.9 28.2 34.4

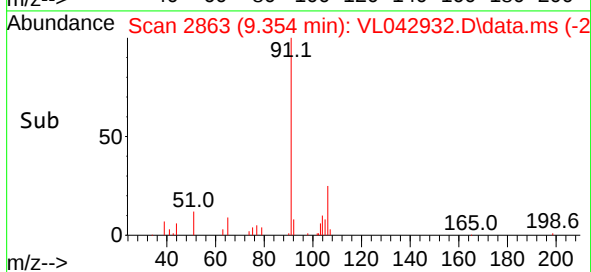
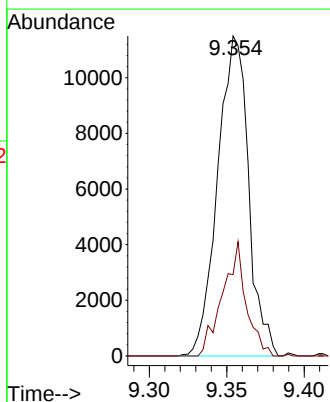
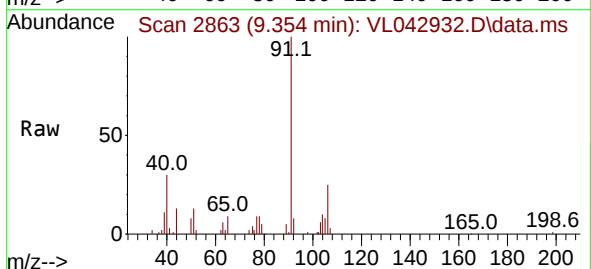
Manual Integrations
APPROVED

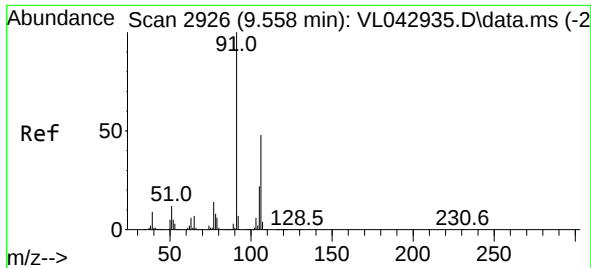
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#58
Ethyl Benzene
Concen: 0.366 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Tgt Ion: 91 Resp: 15958
Ion Ratio Lower Upper
91 100
106 25.5 24.2 36.4





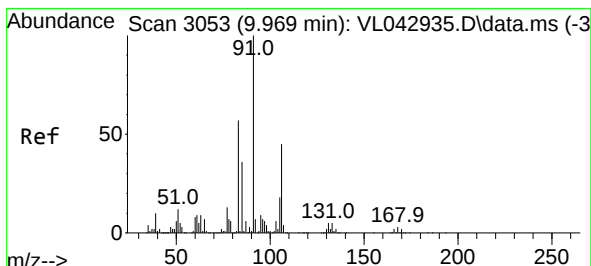
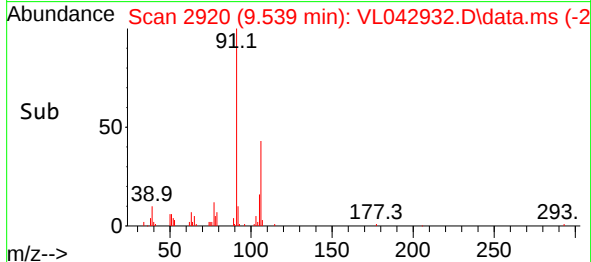
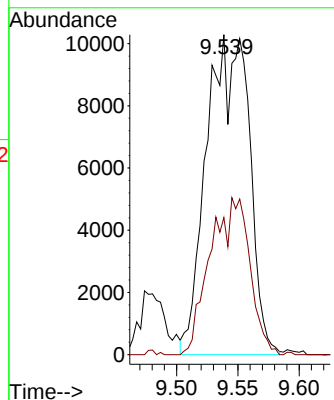
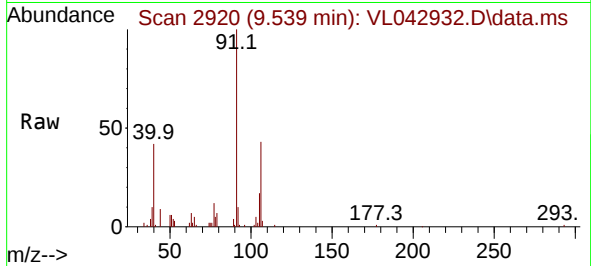
#59
m/p-Xylene
Concen: 0.678 ppbv m
RT: 9.539 min Scan# 2926
Delta R.T. -0.019 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 24990
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.0

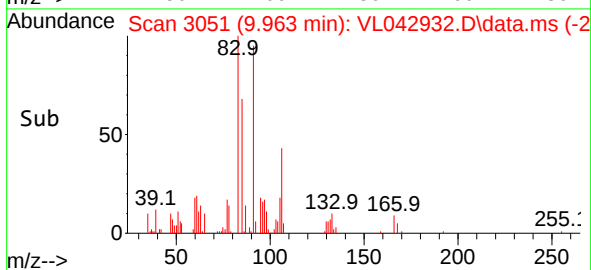
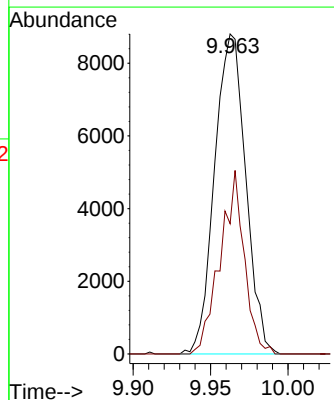
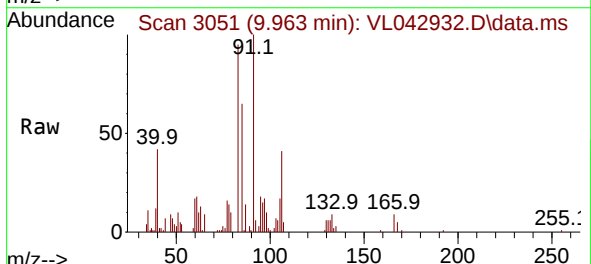
Manual Integrations
APPROVED

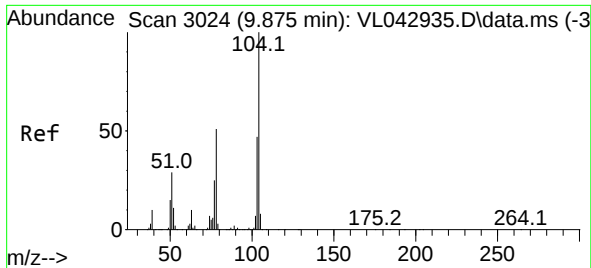
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#60
o-Xylene
Concen: 0.336 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Tgt Ion: 91 Resp: 12302
Ion Ratio Lower Upper
91 100
106 44.6 22.1 66.5





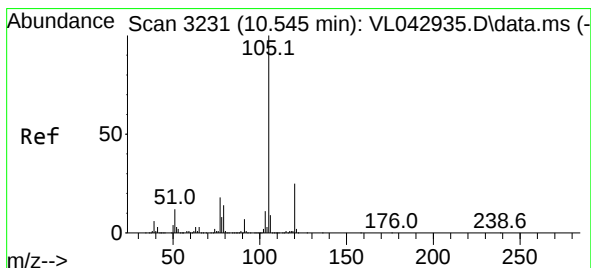
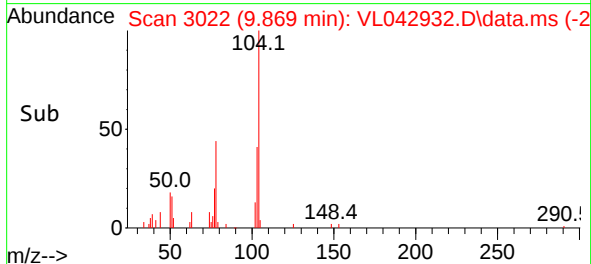
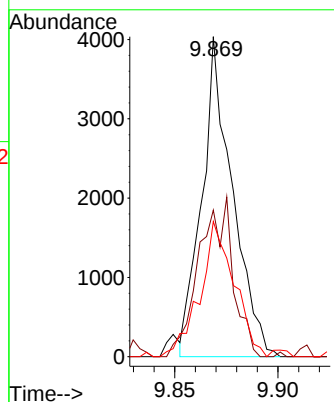
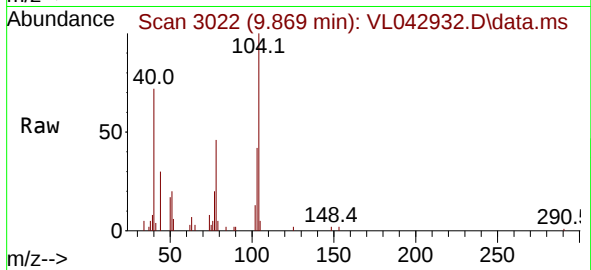
#61
Styrene
Concen: 0.748 ppbv
RT: 9.869 min Scan# 3024
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

Tgt Ion:104 Resp: 4154
Ion Ratio Lower Upper
104 100
78 56.9 40.2 60.2
103 48.4 36.8 55.2

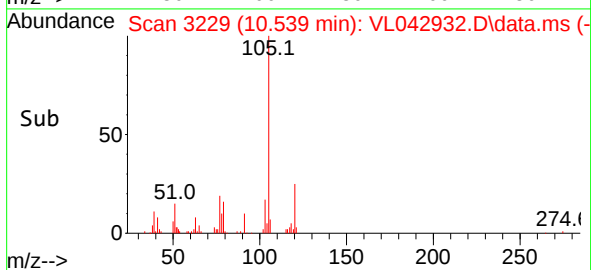
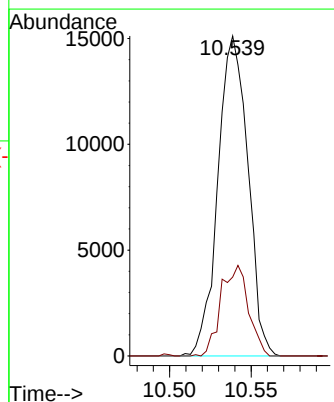
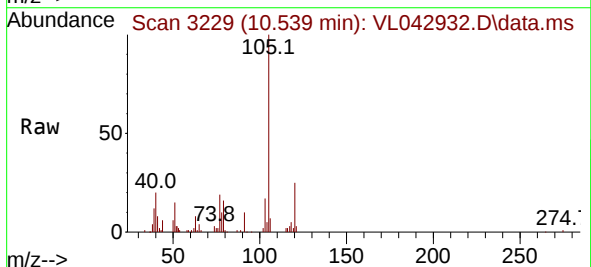
Manual Integrations
APPROVED

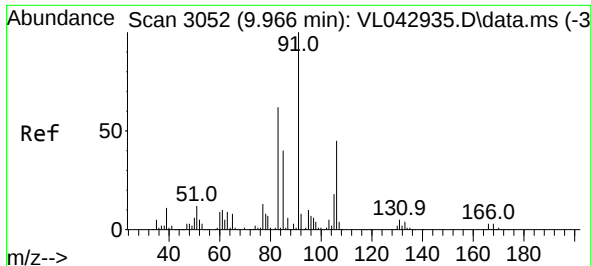
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#62
Isopropylbenzene
Concen: 0.362 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

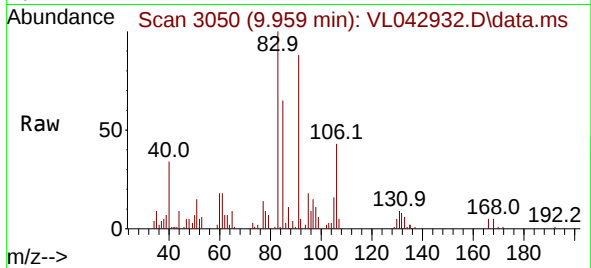
Tgt Ion:105 Resp: 19343
Ion Ratio Lower Upper
105 100
120 25.9 20.0 30.0





#63
1,1,2,2-Tetrachloroethane
Concen: 0.467 ppbv m
RT: 9.959 min Scan# 3050
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

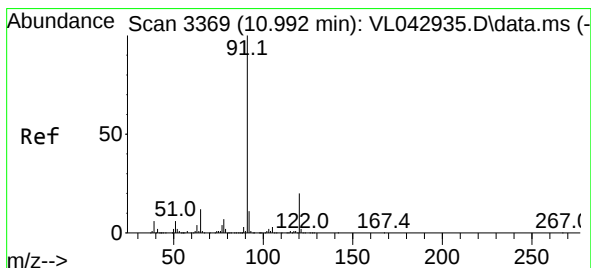
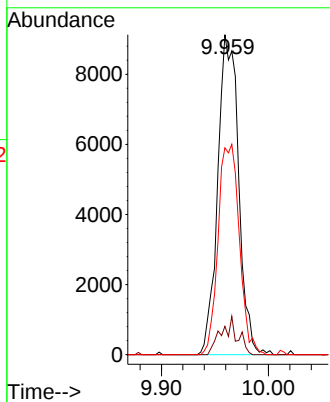
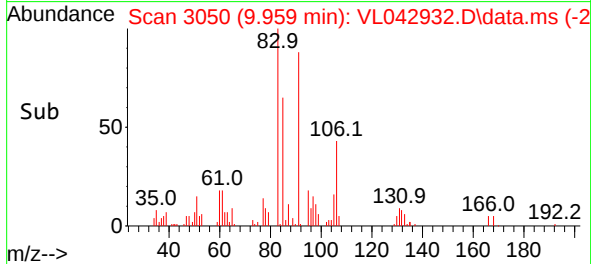
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



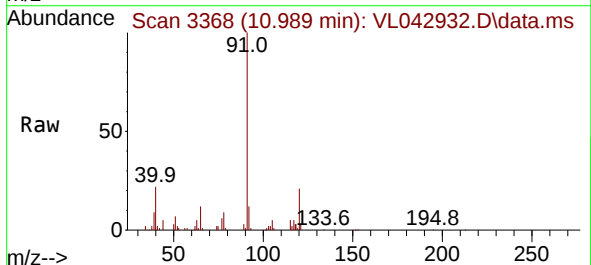
Tgt Ion: 83 Resp: 1236
Ion Ratio Lower Upper
83 100
131 0.0 4.2 12.6
85 0.0 32.6 98.0

Manual Integrations
APPROVED

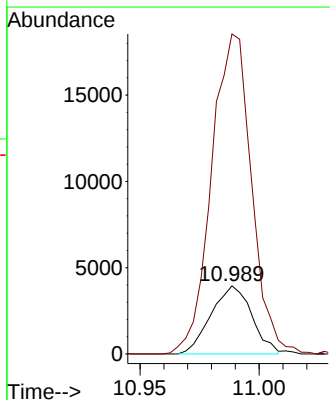
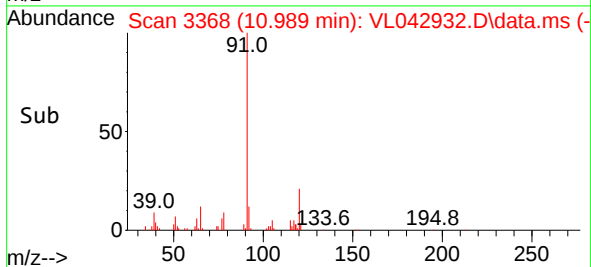
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

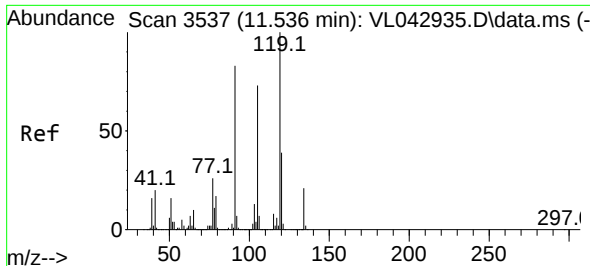


#64
n-propylbenzene
Concen: 0.339 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58



Tgt Ion:120 Resp: 4697
Ion Ratio Lower Upper
120 100
91 465.0 394.6 591.8





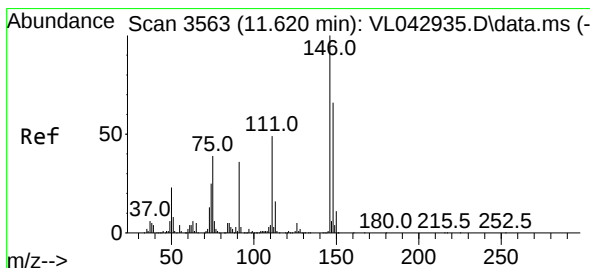
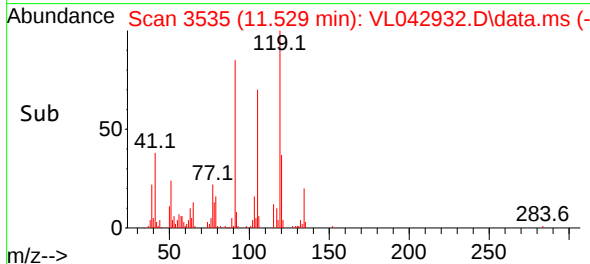
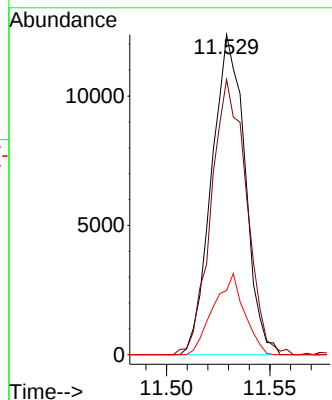
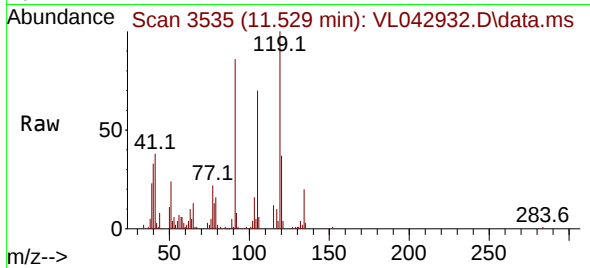
#65
tert-Butylbenzene
Concen: 0.304 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:	119	Resp:	1385
Ion Ratio	Lower	Upper	
119	100		
91	91.1	66.0	99.0
134	23.4	16.8	25.2

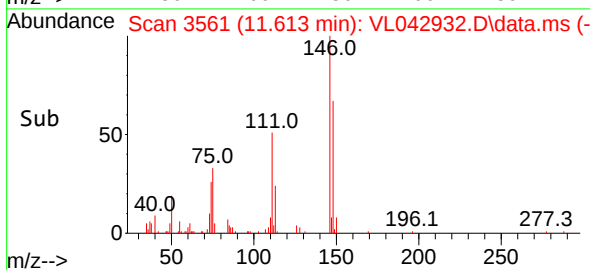
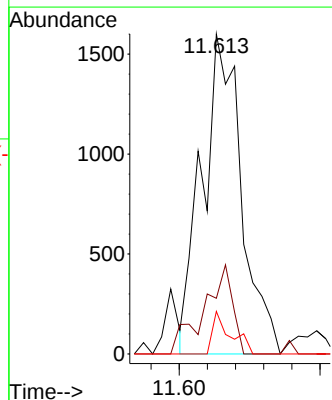
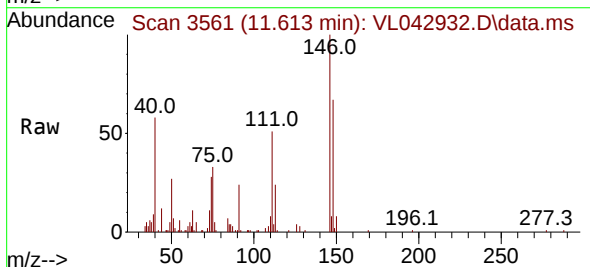
Manual Integrations
APPROVED

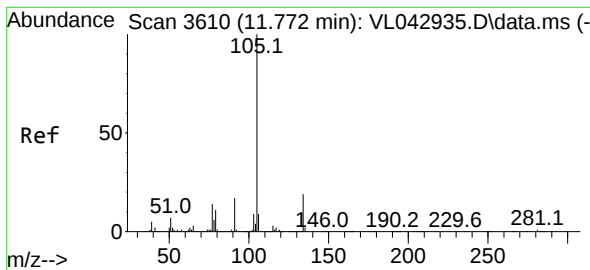
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#66
Benzyl Chloride
Concen: 0.365 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.007 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

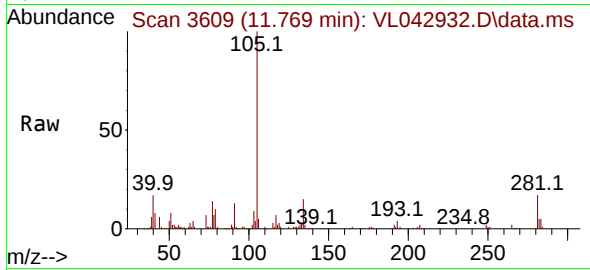
Tgt Ion:	91	Resp:	1547
Ion Ratio	Lower	Upper	
91	100		
126	20.4	13.9	20.9
128	6.1	4.9	7.3





#67
 sec-Butylbenzene
 Concen: 0.341 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.003 min
 Lab File: VL042932.D
 Acq: 17 Sep 2025 11:58

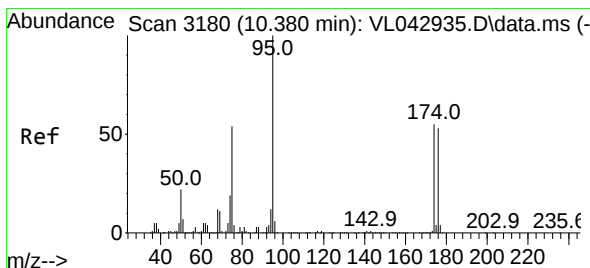
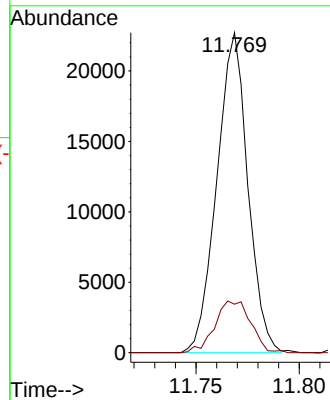
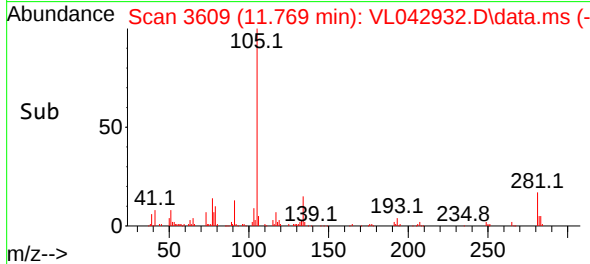
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



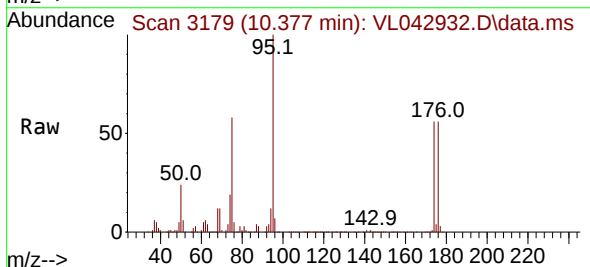
Tgt Ion:105 Resp: 2369
 Ion Ratio Lower Upper
 105 100
 134 18.7 14.3 21.5

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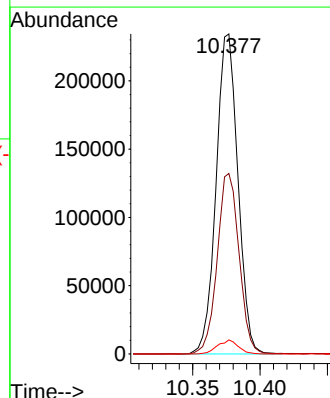
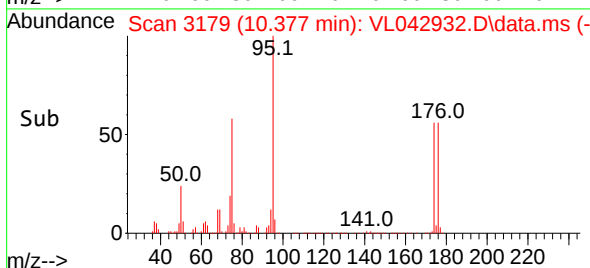
Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025

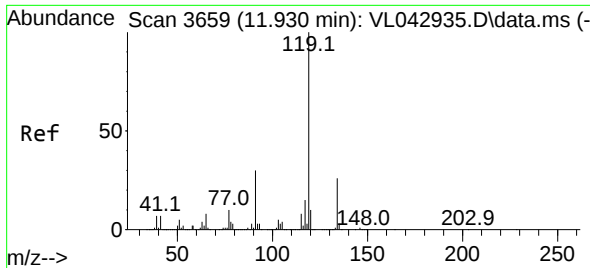


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.959 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. -0.003 min
 Lab File: VL042932.D
 Acq: 17 Sep 2025 11:58



Tgt Ion: 95 Resp: 263700
 Ion Ratio Lower Upper
 95 100
 174 56.8 44.9 67.3
 175 4.1 3.3 4.9





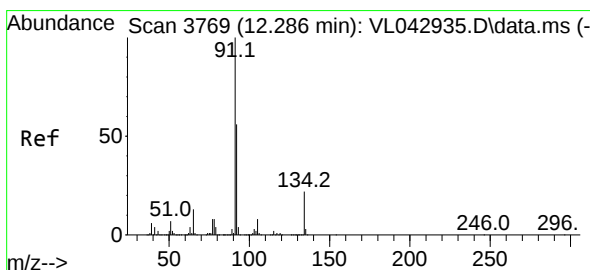
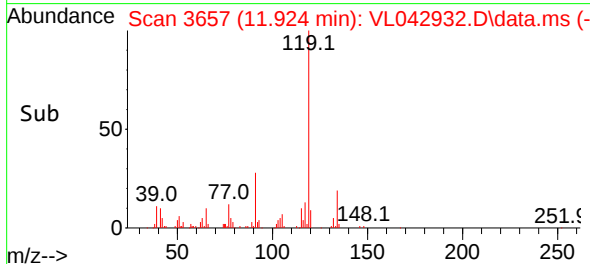
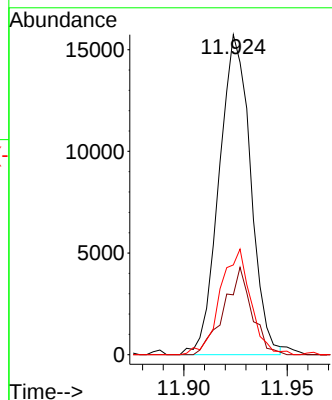
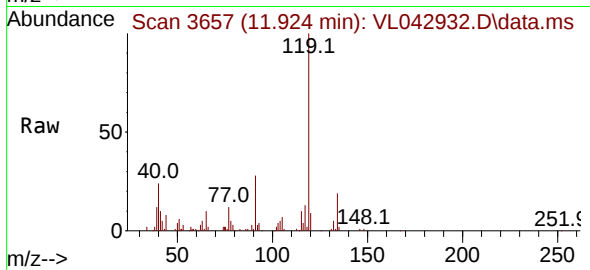
#69
p-Isopropyltoluene
Concen: 0.312 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 16694
Ion Ratio Lower Upper
119 100
134 24.1 20.5 30.7
91 32.2 23.2 34.8

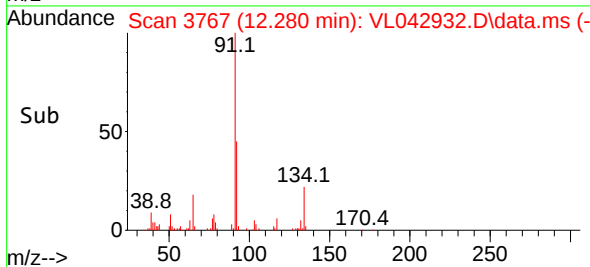
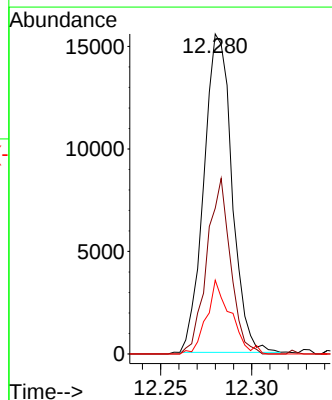
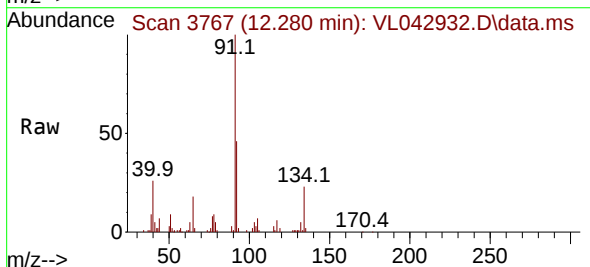
Manual Integrations
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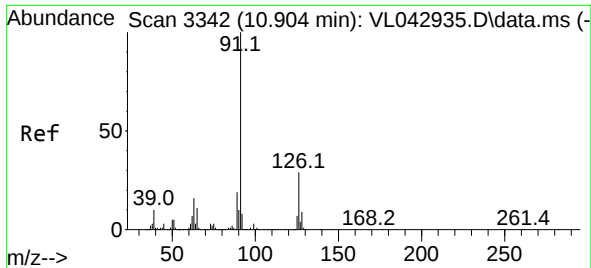
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#70
n-Butylbenzene
Concen: 0.527 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Tgt Ion: 91 Resp: 16636
Ion Ratio Lower Upper
91 100
92 46.9 43.8 65.8
134 19.8 17.3 25.9





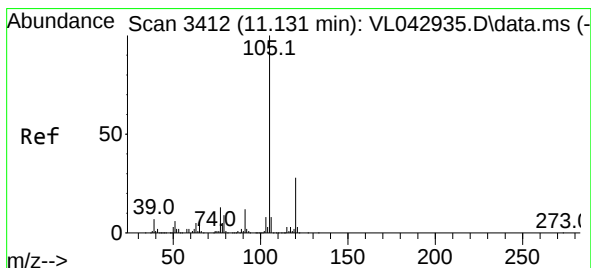
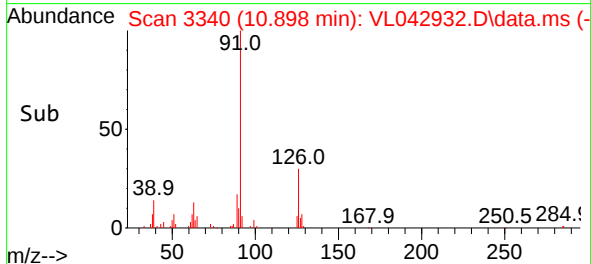
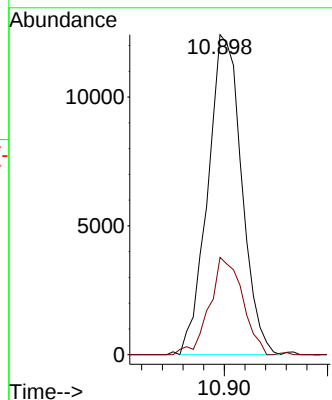
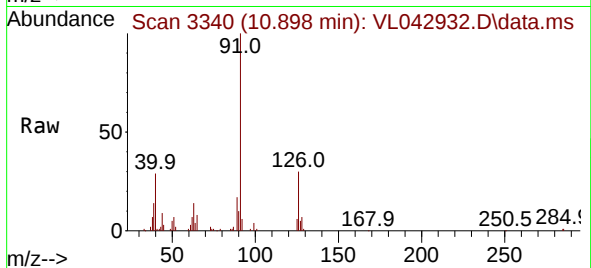
#71
2-Chlorotoluene
Concen: 0.357 ppbv
RT: 10.898 min Scan# 311
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 14134
Ion Ratio Lower Upper
91 100
126 29.8 11.5 45.9

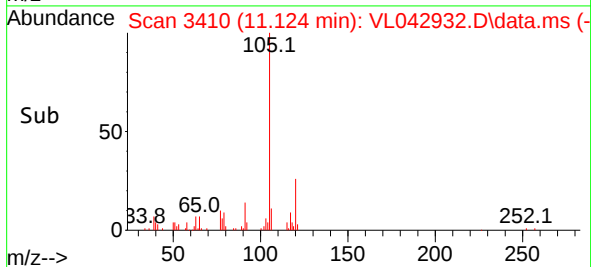
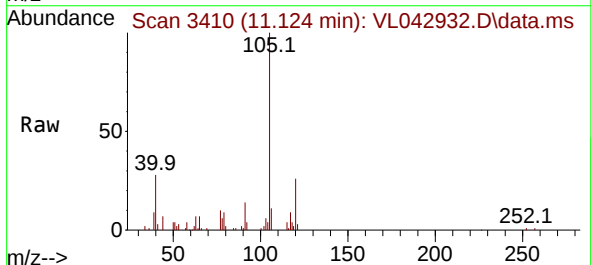
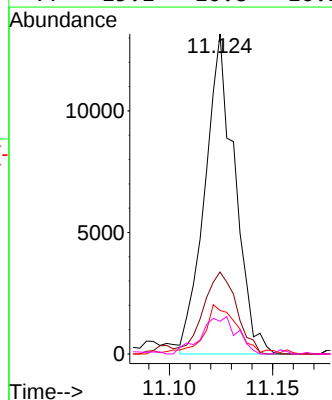
Manual Integrations
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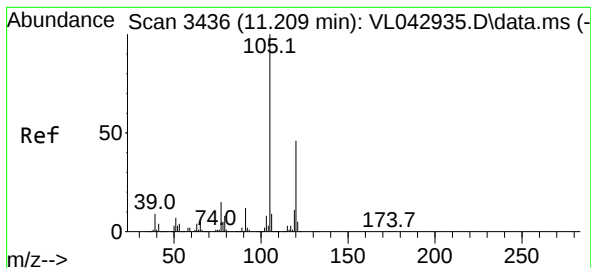
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#72
4-Ethyltoluene
Concen: 0.591 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.007 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Tgt Ion:105 Resp: 13199
Ion Ratio Lower Upper
105 100
120 30.5 23.1 34.7
91 17.7 10.4 15.6#
77 15.1 10.8 16.2





#73

1,3,5-Trimethylbenzene

Concen: 0.313 ppbv

RT: 11.202 min Scan# 3436

Delta R.T. -0.006 min

Lab File: VL042932.D

Acq: 17 Sep 2025 11:58

Instrument :

MSVOA_L

ClientSampleId :

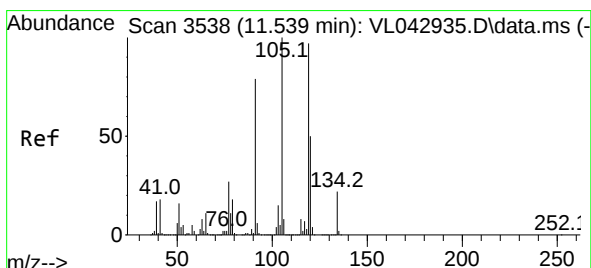
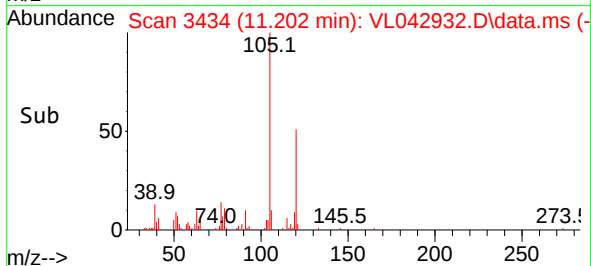
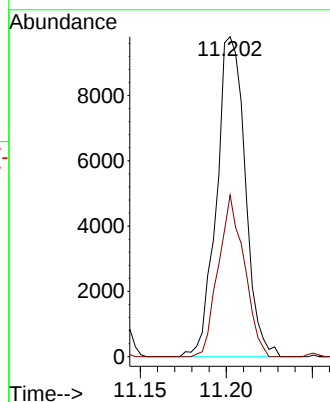
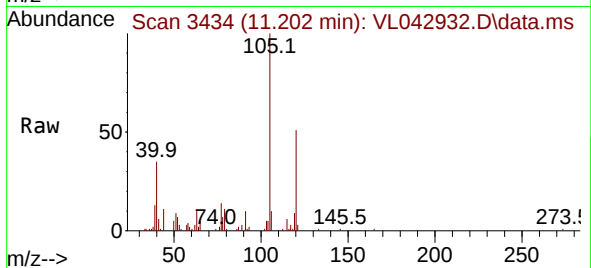
VSTDIC0.5

Tgt Ion:105 Resp: 11354
 Ion Ratio Lower Upper
 105 100
 120 50.5 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.310 ppbv

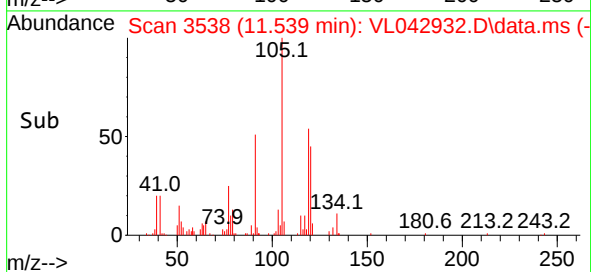
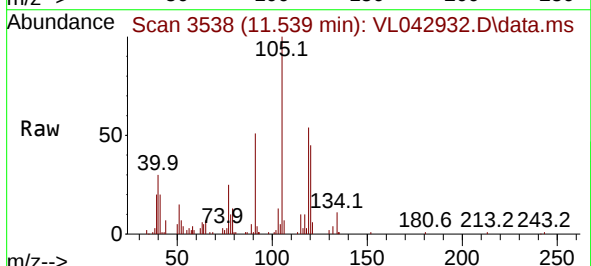
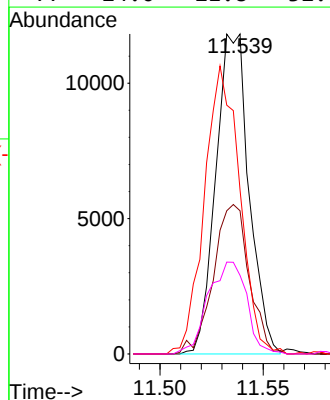
RT: 11.539 min Scan# 3538

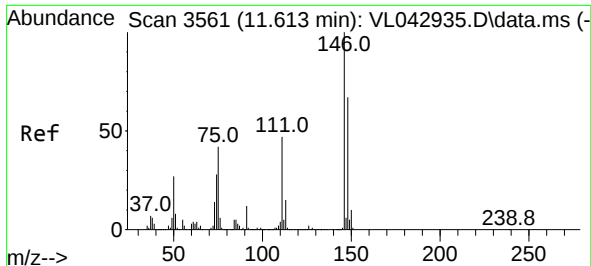
Delta R.T. 0.000 min

Lab File: VL042932.D

Acq: 17 Sep 2025 11:58

Tgt Ion:105 Resp: 13232
 Ion Ratio Lower Upper
 105 100
 120 44.3 39.8 59.6
 91 49.6 63.1 94.7#
 77 24.0 21.8 32.6





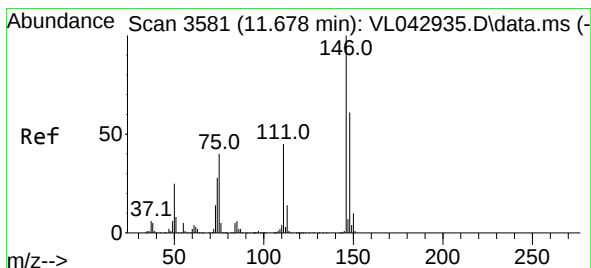
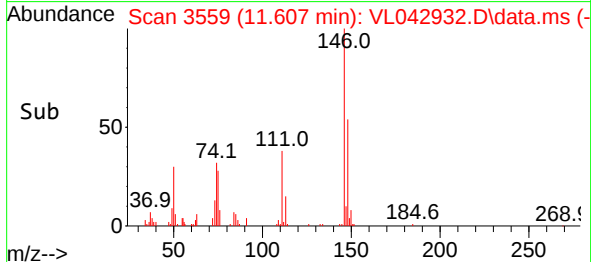
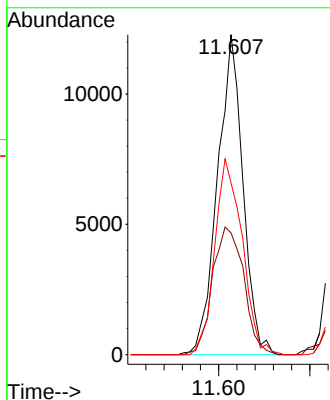
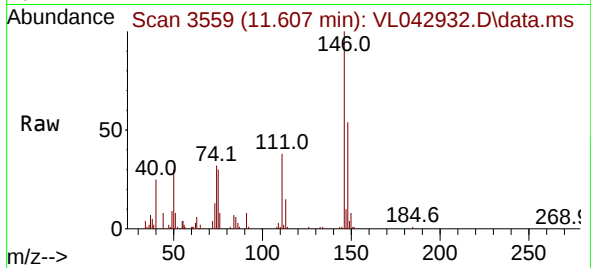
#75
1,3-Dichlorobenzene
Concen: 0.441 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:146 Resp: 1191
Ion Ratio Lower Upper
146 100
111 48.8 24.1 72.2
148 65.8 31.8 95.3

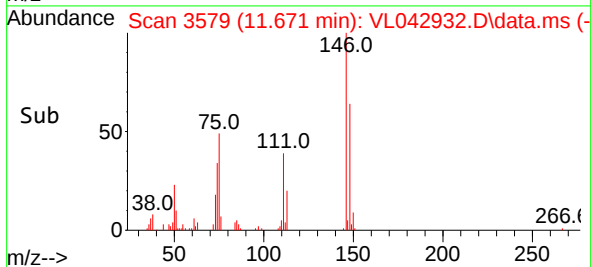
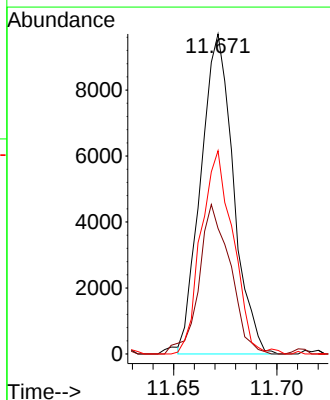
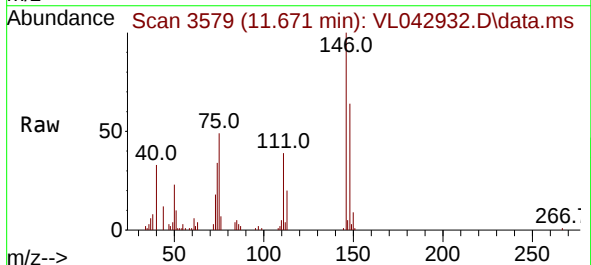
Manual Integrations
APPROVED

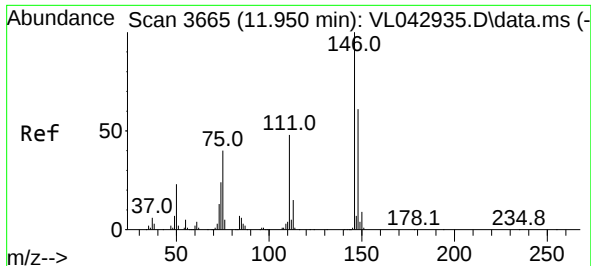
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#76
1,4-Dichlorobenzene
Concen: 0.410 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Tgt Ion:146 Resp: 10649
Ion Ratio Lower Upper
146 100
111 44.6 23.0 69.0
148 62.8 31.8 95.4





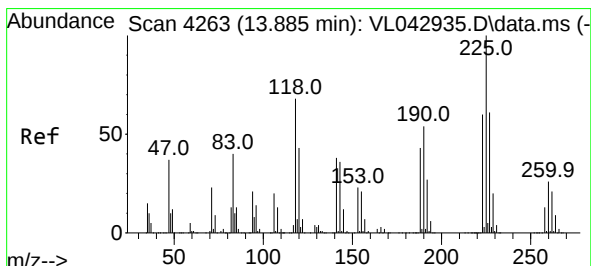
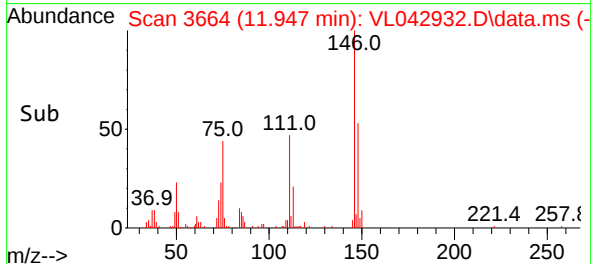
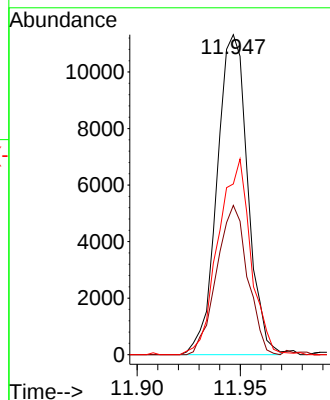
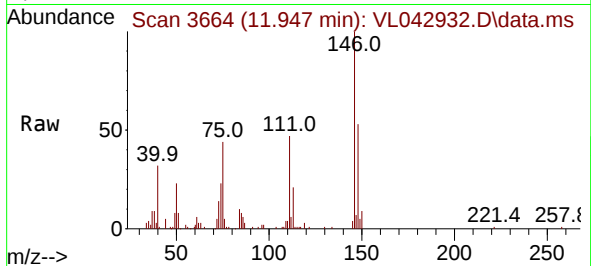
#77
1,2-Dichlorobenzene
Concen: 0.428 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:146 Resp: 11678
Ion Ratio Lower Upper
146 100
111 47.7 24.6 73.8
148 65.2 31.4 94.2

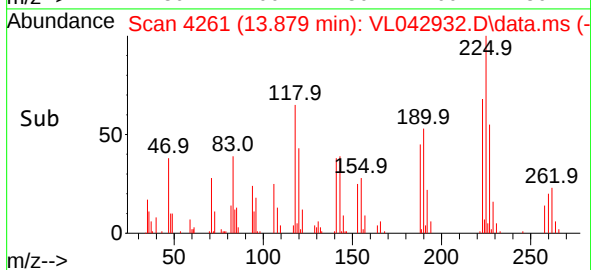
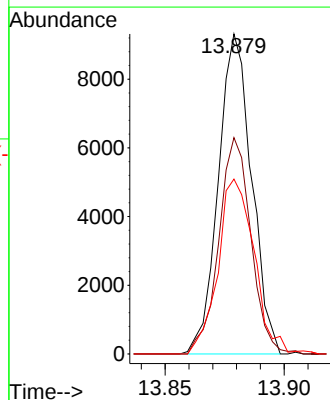
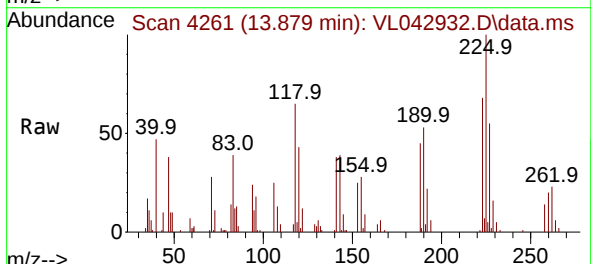
Manual Integrations
APPROVED

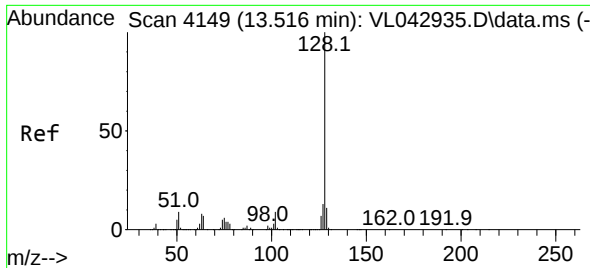
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#78
Hexachloro-1,3-Butadiene
Concen: 0.519 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.006 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

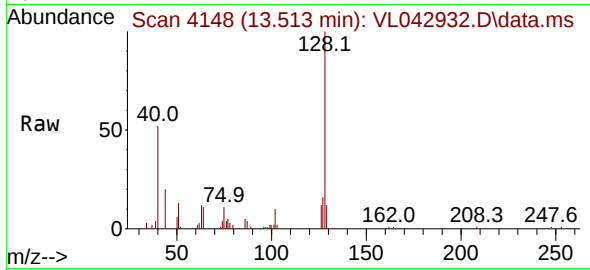
Tgt Ion:225 Resp: 9035
Ion Ratio Lower Upper
225 100
223 65.3 50.6 76.0
227 59.9 50.5 75.7





#79
Naphthalene
Concen: 0.523 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58

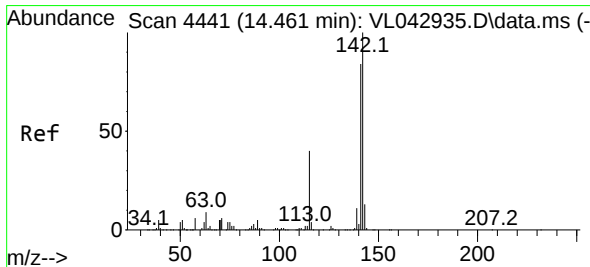
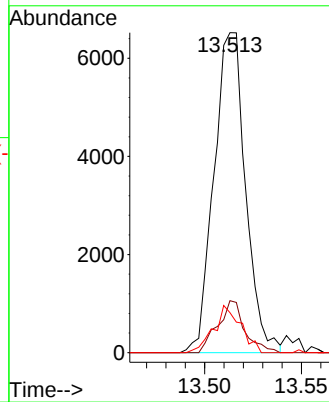
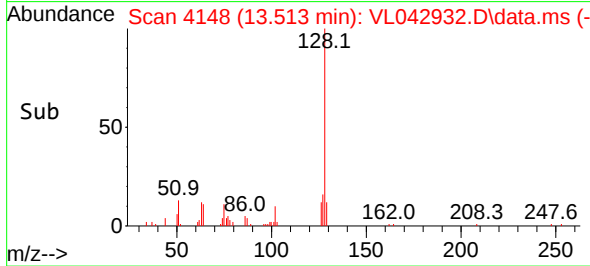
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



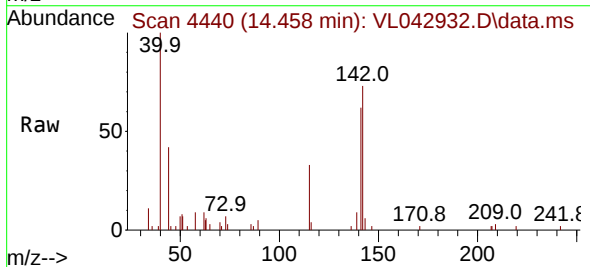
Tgt Ion:128 Resp: 7418
Ion Ratio Lower Upper
128 100
127 16.2 10.3 15.5
129 12.5 8.7 13.1

Manual Integrations
APPROVED

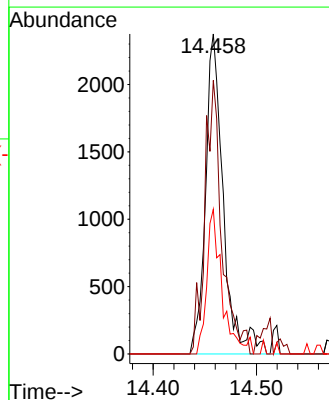
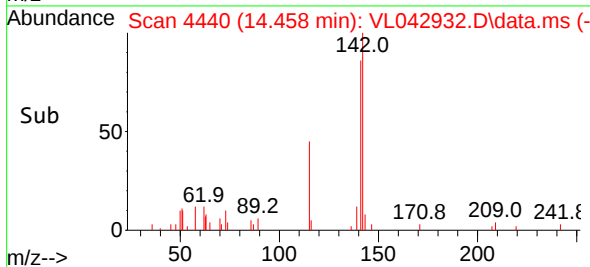
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

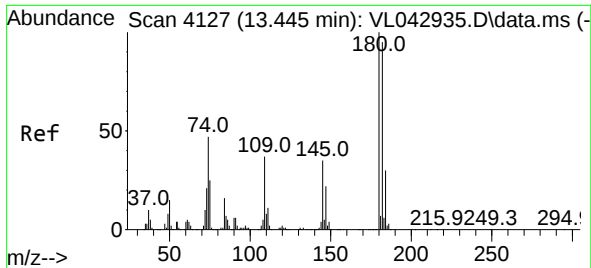


#80
Naphthalene,2-methyl-
Concen: 0.949 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.003 min
Lab File: VL042932.D
Acq: 17 Sep 2025 11:58



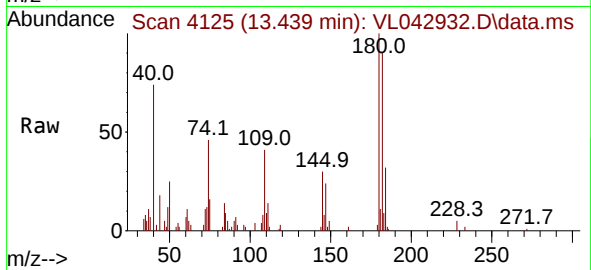
Tgt Ion:142 Resp: 2905
Ion Ratio Lower Upper
142 100
141 79.6 67.0 100.6
115 38.7 32.0 48.0





#81
 1,2,4-Trichlorobenzene
 Concen: 0.626 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL042932.D
 Acq: 17 Sep 2025 11:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:180 Resp: 4520
 Ion Ratio Lower Upper
 180 100
 182 92.3 75.5 113.3
 184 32.8 24.6 37.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025

