

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
 Data File : VL042936.D
 Acq On : 17 Sep 2025 14:17
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: Sep 18 02:32:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025
 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	2.790	49	166880	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	435144	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	378127	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.380	95	301418	10.198	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.000%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.499	85	342031	14.349	ppbv 99
3) Chlorodifluoromethane	1.476	51	364078	14.507	ppbv 100
4) Chloromethane	1.534	50	137673	14.371	ppbv 96
5) Vinyl Chloride	1.583	62	122964	13.606	ppbv 98
6) Bromomethane	1.670	94	45220	14.399	ppbv 96
7) Chloroethane	1.706	64	50396	15.140	ppbv 92
8) Dichlorotetrafluoroethane	1.557	85	275345	14.559	ppbv 99
9) Propene	1.486	41	145520	15.877	ppbv 98
10) Heptane	4.985	43	400273	17.626	ppbv 99
11) Trichlorofluoromethane	1.881	101	341853	14.517	ppbv 97
12) 1,1,2-Trichlorotrifluo...	2.143	101	266384	14.480	ppbv 100
13) Ethanol	1.722	45	12036	12.880	ppbv 88
14) Bromoethene	1.784	108	96723	14.758	ppbv 98
15) Acetone	1.835	43	261592	12.762	ppbv 99
16) 1,3-Butadiene	1.612	39	123576	14.413	ppbv 99
17) tert-Butyl alcohol	2.039	59	288104	14.597	ppbv 99
18) 1,1-Dichloroethene	2.036	96	119994	14.901	ppbv 96
19) Isopropyl Alcohol	1.887	45	157857	14.364	ppbv # 1
20) Methylene Chloride	2.065	84	103933	11.646	ppbv 97
21) Allyl Chloride	2.098	41	206205	14.841	ppbv 99
22) trans-1,2-Dichloroethene	2.344	96	133482	14.624	ppbv 97
23) Vinyl Acetate	2.463	43	409957	17.213	ppbv 98
24) 1,1-Dichloroethane	2.412	63	267165	14.818	ppbv 99
25) Ethyl Acetate	2.836	43	697465	15.935	ppbv 100
26) Hexane	2.829	57	319529	17.011	ppbv 94
27) Carbon Disulfide	2.153	76	339264	14.644	ppbv 99
28) Methyl tert-Butyl Ether	2.441	73	158791	15.384	ppbv 99
29) Chloroform	2.852	83	454938	14.817	ppbv 96
30) Cyclohexane	3.862	84	263817	18.643	ppbv 99
31) cis-1,2-Dichloroethene	2.725	61	297831	16.240	ppbv 98
32) 1,1,1-Trichloroethane	3.370	97	429312	14.944	ppbv 99
34) 2-Butanone	2.557	43	447323	15.858	ppbv 97
35) Carbon Tetrachloride	3.768	117	434961	14.062	ppbv 99
36) Benzene	3.661	78	622923	16.412	ppbv 100
37) 1,2-Dichloroethane	3.221	62	342237	15.055	ppbv 99
38) Trichloroethene	4.554	130	263119	15.314	ppbv 95
39) 1,2-Dichloropropane	4.318	63	233331	15.214	ppbv 97
40) 1,4-Dioxane	4.583	88	94289	17.330	ppbv # 96
41) Tetrahydrofuran	3.052	42	252880	18.235	ppbv 99
42) Bromodichloromethane	4.493	83	487210	14.935	ppbv 99
43) Methyl Methacrylate	4.881	69	237510	18.657	ppbv 98
44) 2,2,4-Trimethylpentane	4.645	57	1074444	16.972	ppbv 99
45) t-1,3-Dichloropropene	6.422	75	248122	18.517	ppbv 94

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Instrument :
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 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/18/2025
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Quant Time: Sep 18 02:32:56 2025

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

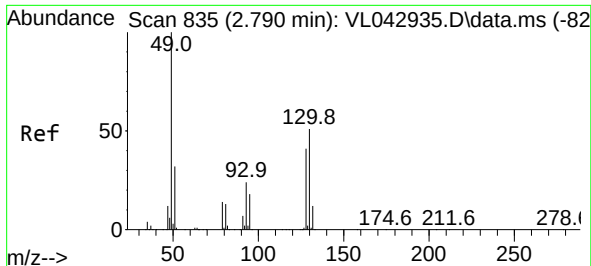
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

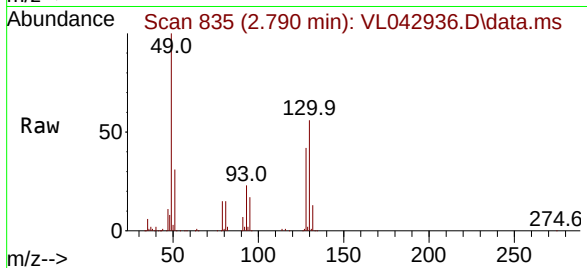
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	331381	17.939	ppbv	97
47) 1,1,2-Trichloroethane	6.587	97	237995	15.216	ppbv	98
48) Dibromochloromethane	7.393	129	378815	15.464	ppbv	99
49) Bromoform	9.490	173	300343	15.709	ppbv	100
50) 4-Methyl-2-Pentanone	5.755	43	623273	18.544	ppbv	98
51) 2-Hexanone	7.441	43	492844	19.922	ppbv #	98
52) Tetrachloroethene	8.231	164	183151	15.516	ppbv	96
53) Toluene	6.940	91	678667	19.184	ppbv	99
54) 1,2-Dibromoethane	7.658	107	329410	16.376	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.930	131	282351	14.654	ppbv	99
57) Chlorobenzene	8.927	112	521288	14.916	ppbv	97
58) Ethyl Benzene	9.361	91	928410	19.058	ppbv	100
59) m/p-Xylene	9.558	91	1503527m	36.519	ppbv	
60) o-Xylene	9.969	91	761569	18.607	ppbv	100
61) Styrene	9.875	104	325087	15.069	ppbv	99
62) Isopropylbenzene	10.542	105	1072342	17.986	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	426688	14.434	ppbv	98
64) n-propylbenzene	10.995	120	280188	18.126	ppbv	96
65) tert-Butylbenzene	11.536	119	939322	18.437	ppbv	100
66) Benzyl Chloride	11.620	91	90114	19.035	ppbv	99
67) sec-Butylbenzene	11.772	105	1361807	17.569	ppbv	100
69) p-Isopropyltoluene	11.930	119	1110321	18.588	ppbv	99
70) n-Butylbenzene	12.283	91	1182368	14.665	ppbv	98
71) 2-Chlorotoluene	10.904	91	823050	18.604	ppbv	99
72) 4-Ethyltoluene	11.128	105	926161	14.801	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	761800	18.813	ppbv	100
74) 1,2,4-Trimethylbenzene	11.542	105	849558	17.853	ppbv #	87
75) 1,3-Dichlorobenzene	11.610	146	491485	16.291	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	487745	16.805	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	476080	15.641	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	285795	14.702	ppbv	99
79) Naphthalene	13.516	128	758929	14.938	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	254607	15.635	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	365929	15.017	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

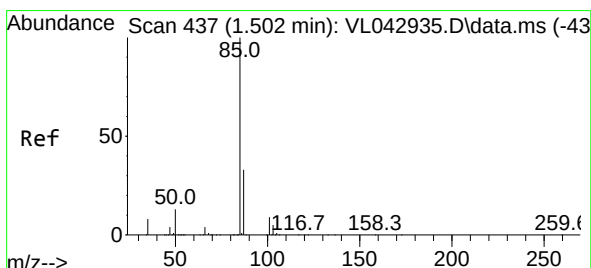
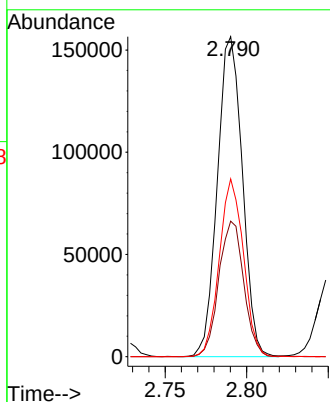
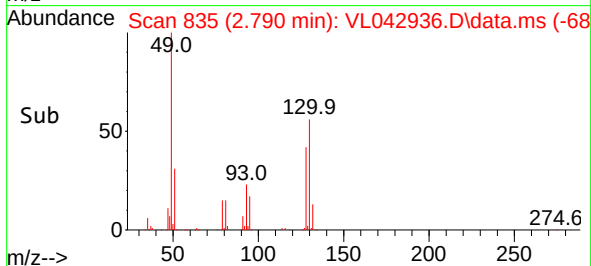
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



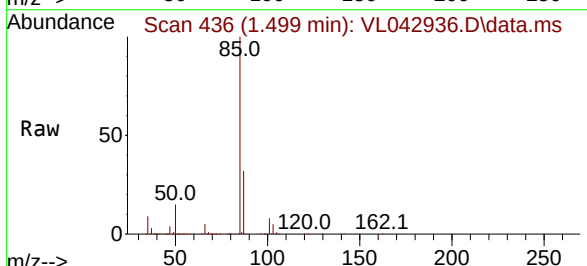
Tgt Ion: 49 Resp: 166880
Ion Ratio Lower Upper
49 100
128 42.3 21.1 63.4
130 53.7 26.4 79.2

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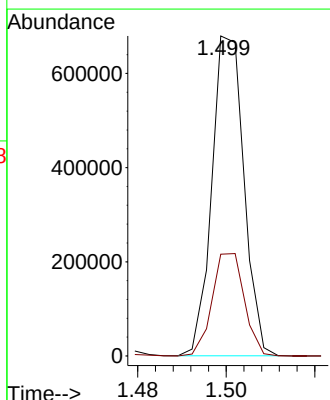
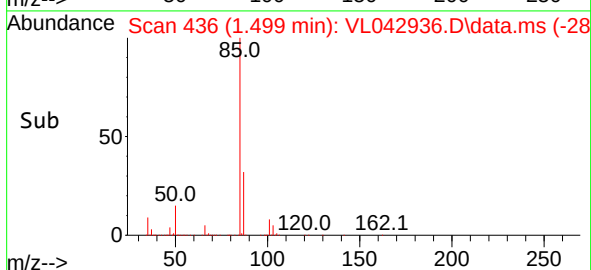
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

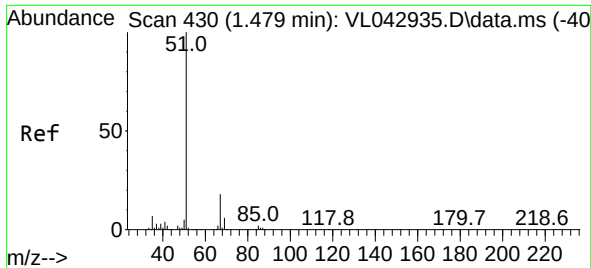


#2
Dichlorodifluoromethane
Concen: 14.349 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17



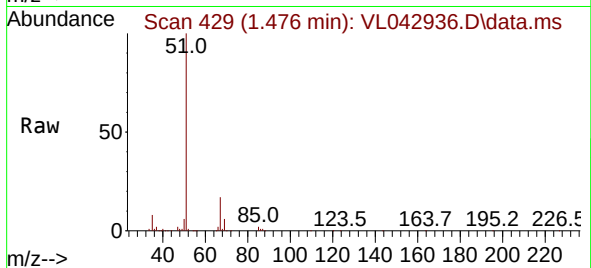
Tgt Ion: 85 Resp: 342031
Ion Ratio Lower Upper
85 100
87 31.8 26.1 39.1





#3
Chlorodifluoromethane
Concen: 14.507 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

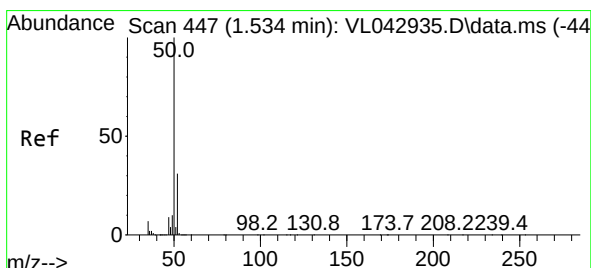
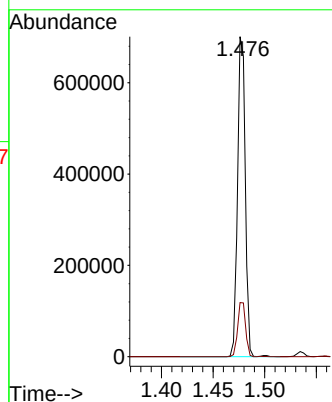
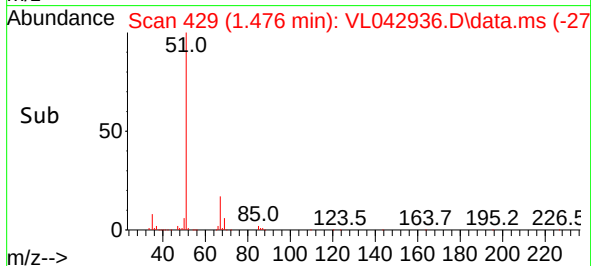
Instrument :
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ClientSampleId :
VSTDICC015



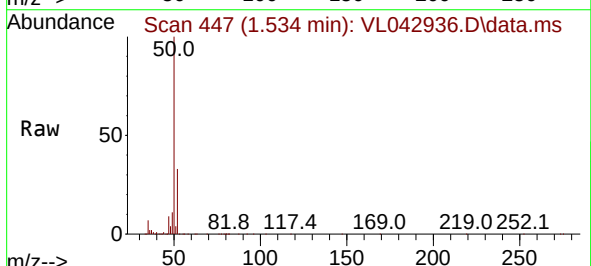
Tgt Ion: 51 Resp: 364078
Ion Ratio Lower Upper
51 100
67 17.4 14.1 21.1

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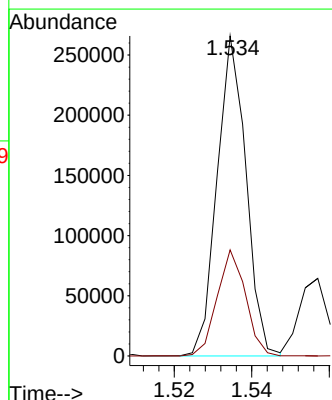
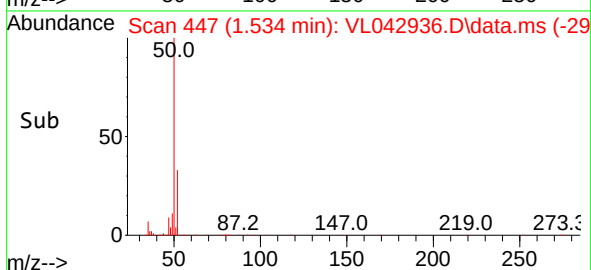
Reviewed By :Semsettin Yesilyurt 09/18/2025
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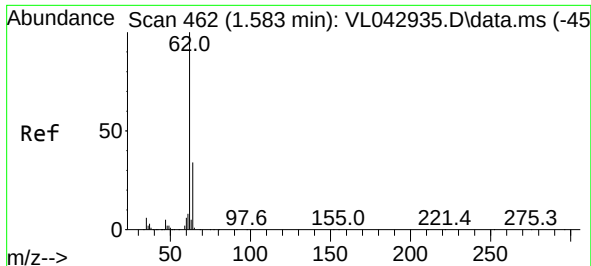


#4
Chloromethane
Concen: 14.371 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17



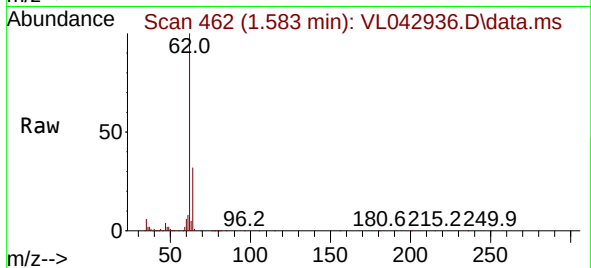
Tgt Ion: 50 Resp: 137673
Ion Ratio Lower Upper
50 100
52 33.1 24.6 36.8





#5
 Vinyl Chloride
 Concen: 13.606 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL042936.D
 Acq: 17 Sep 2025 14:17

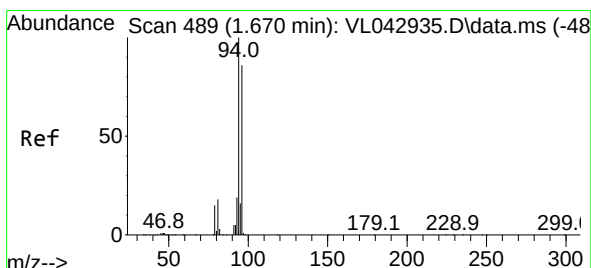
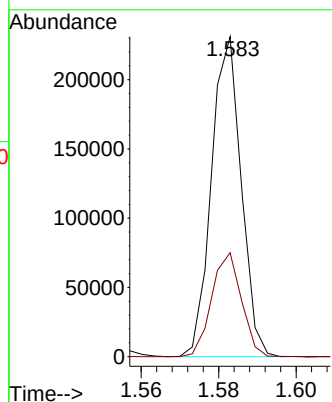
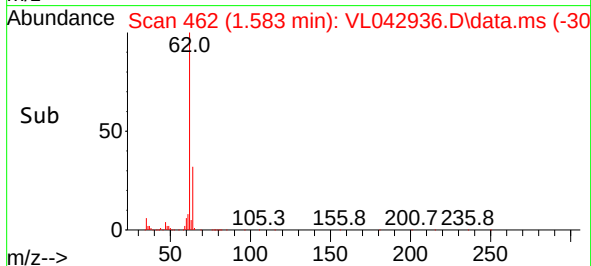
Instrument :
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 ClientSampleId :
 VSTDIC015



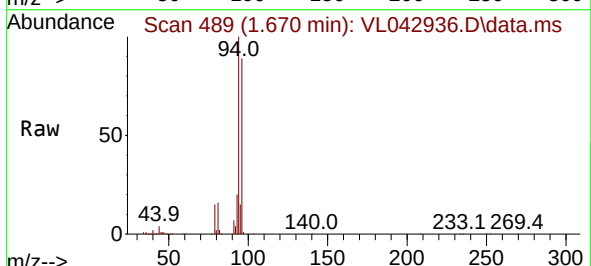
Tgt Ion: 62 Resp: 122964
 Ion Ratio Lower Upper
 62 100
 64 32.5 27.0 40.6

Manual Integrations
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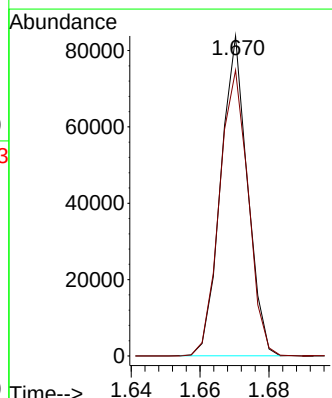
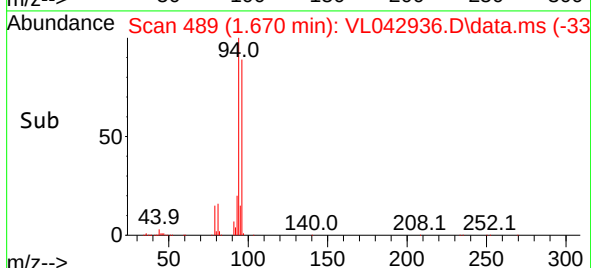
Reviewed By :Semsettin Yesilyurt 09/18/2025
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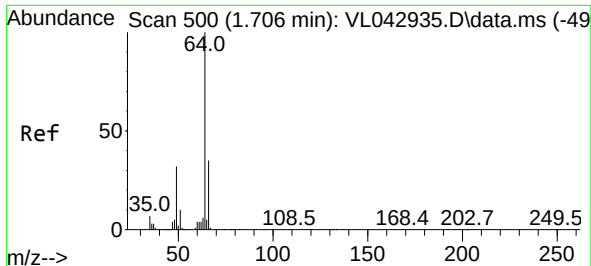


#6
 Bromomethane
 Concen: 14.399 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL042936.D
 Acq: 17 Sep 2025 14:17



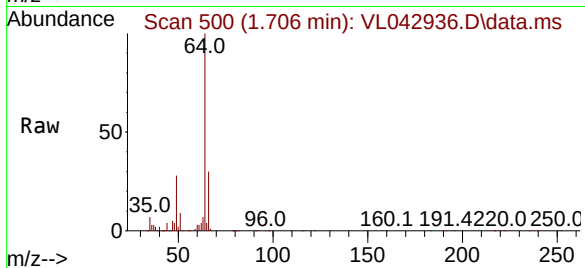
Tgt Ion: 94 Resp: 45220
 Ion Ratio Lower Upper
 94 100
 96 89.4 68.6 103.0





#7
Chloroethane
Concen: 15.140 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

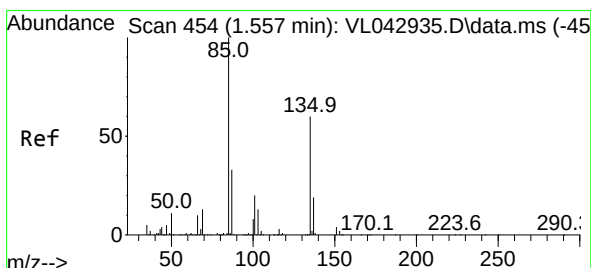
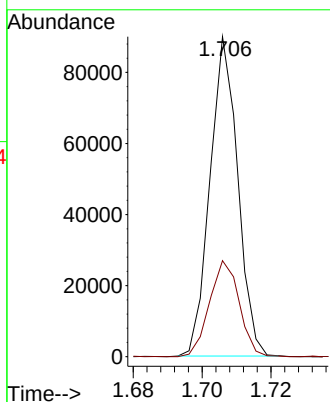
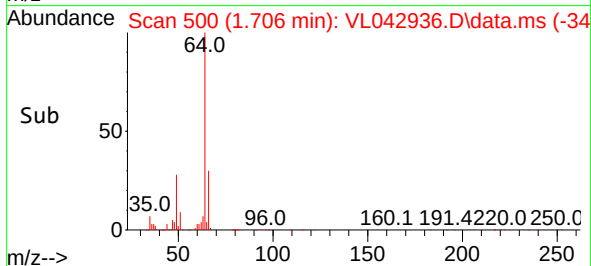
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



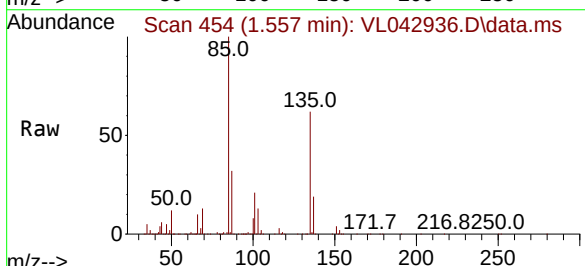
Tgt Ion: 64 Resp: 50390
Ion Ratio Lower Upper
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66 30.0 27.9 41.9

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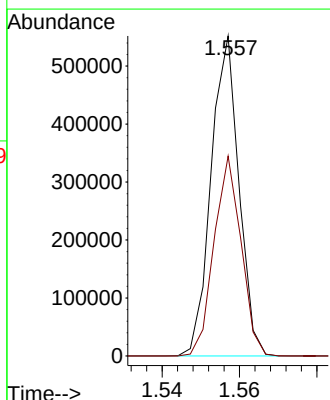
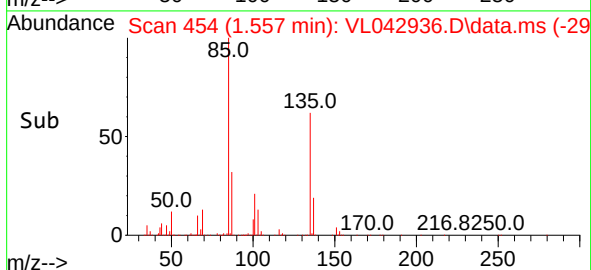
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Supervised By :Mahesh Dadoda 09/18/2025

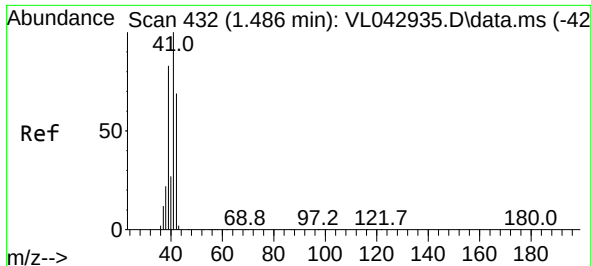


#8
Dichlorotetrafluoroethane
Concen: 14.559 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17



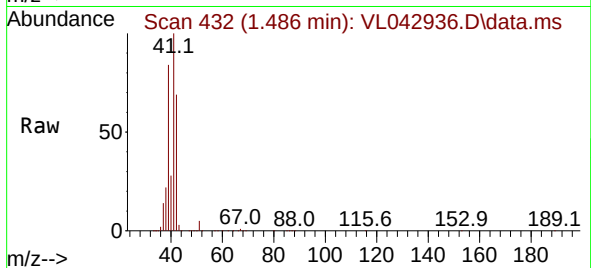
Tgt Ion: 85 Resp: 275345
Ion Ratio Lower Upper
85 100
135 60.8 48.1 72.1





#9
 Propene
 Concen: 15.877 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042936.D
 Acq: 17 Sep 2025 14:17

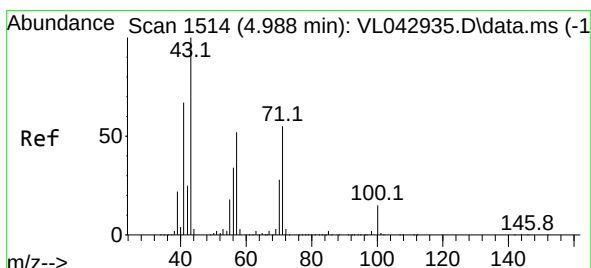
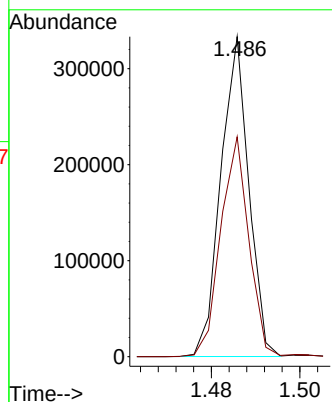
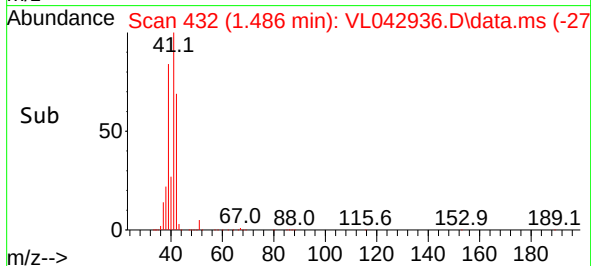
Instrument :
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 VSTDIC015



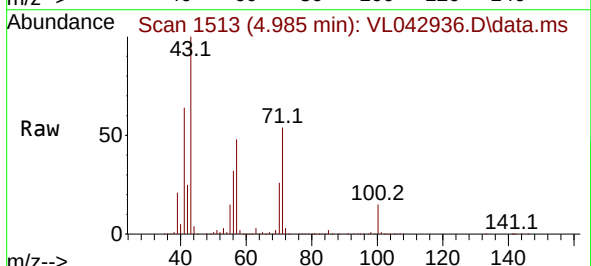
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 Ion Ratio Lower Upper
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 42 70.0 55.0 82.4

Manual Integrations
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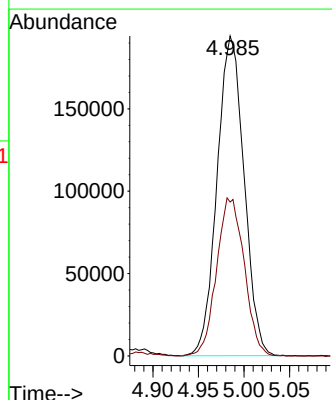
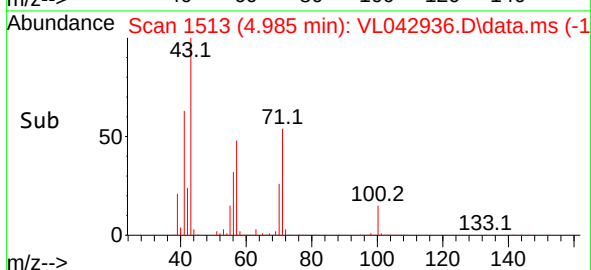
Reviewed By :Semsettin Yesilyurt 09/18/2025
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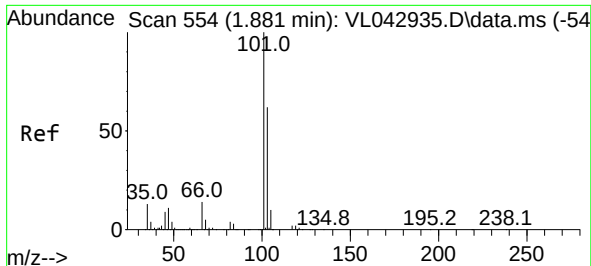


#10
 Heptane
 Concen: 17.626 ppbv
 RT: 4.985 min Scan# 1513
 Delta R.T. -0.003 min
 Lab File: VL042936.D
 Acq: 17 Sep 2025 14:17



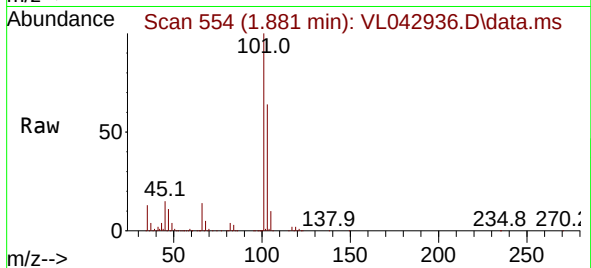
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 Ion Ratio Lower Upper
 43 100
 57 50.6 39.8 59.8





#11
Trichlorofluoromethane
Concen: 14.517 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

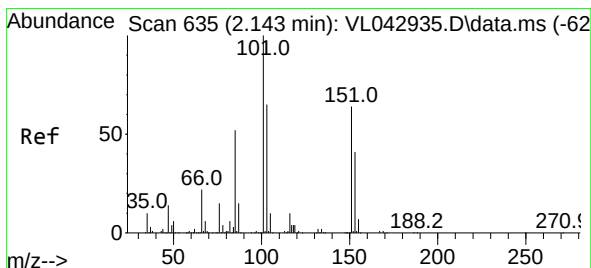
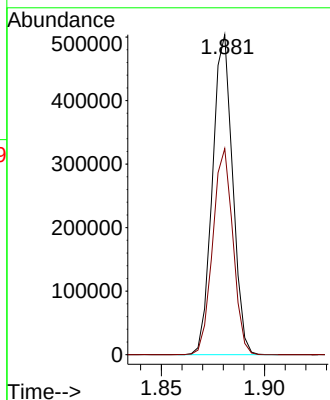
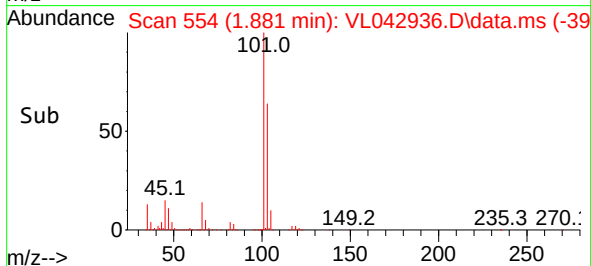
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ClientSampleId :
VSTDIC015



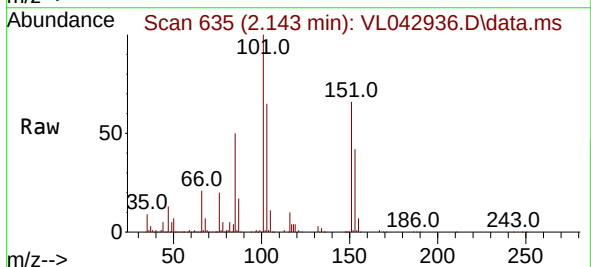
Tgt Ion:101 Resp: 34185
Ion Ratio Lower Upper
101 100
103 64.4 49.6 74.4

Manual Integrations
APPROVED

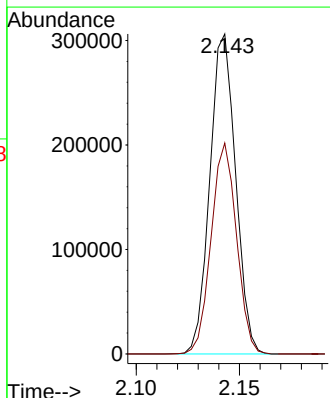
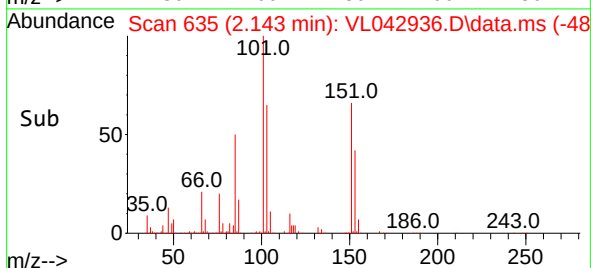
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

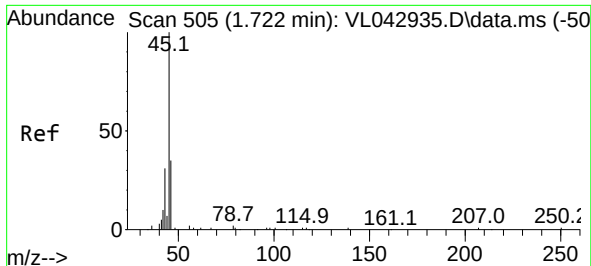


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.480 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17



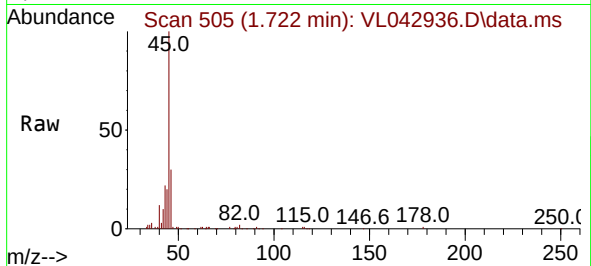
Tgt Ion:101 Resp: 266384
Ion Ratio Lower Upper
101 100
151 64.8 51.9 77.9





#13
Ethanol
Concen: 12.880 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

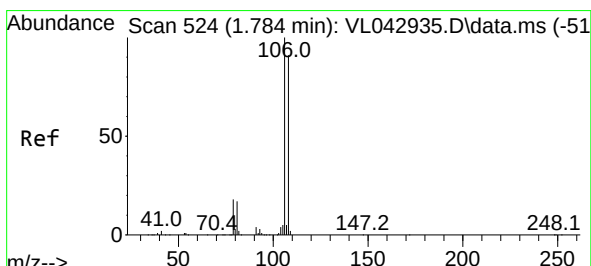
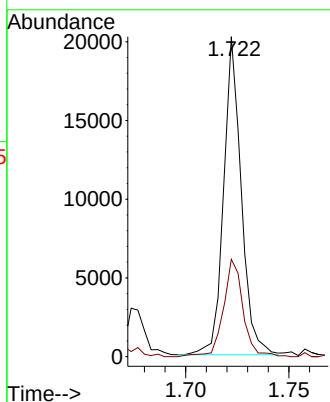
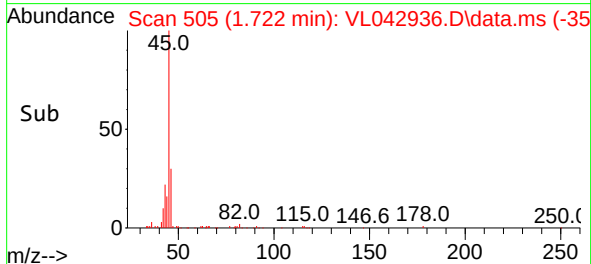
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



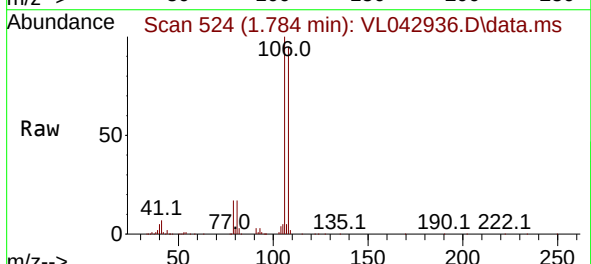
Tgt Ion: 45 Resp: 12036
Ion Ratio Lower Upper
45 100
46 33.9 16.5 66.1

Manual Integrations
APPROVED

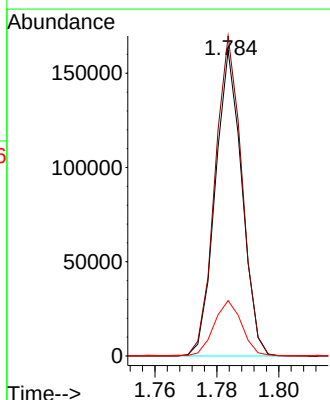
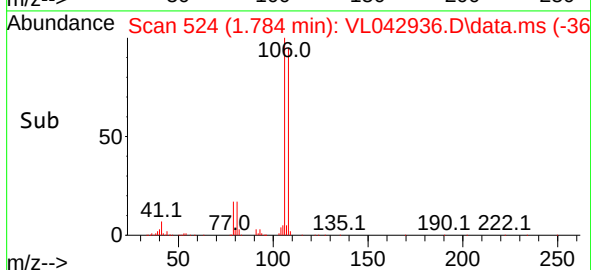
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

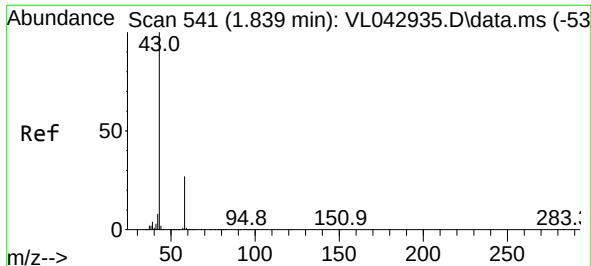


#14
Bromoethene
Concen: 14.758 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17



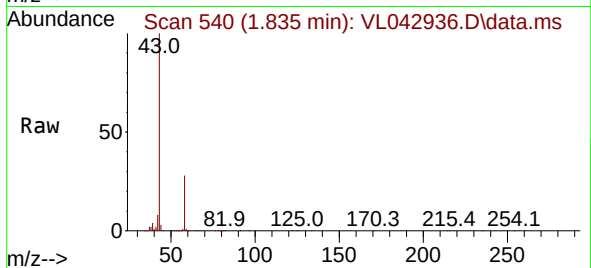
Tgt Ion:108 Resp: 96723
Ion Ratio Lower Upper
108 100
106 105.6 86.0 129.0
79 19.3 17.2 25.8





#15
Acetone
Concen: 12.762 ppbv
RT: 1.835 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

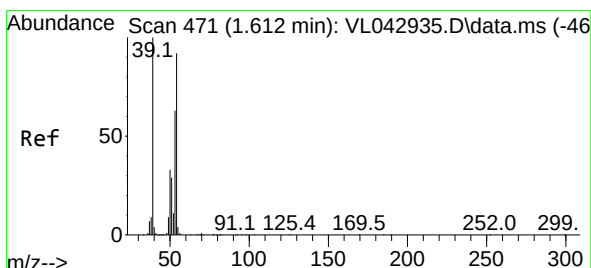
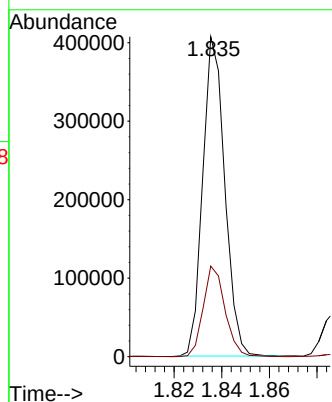
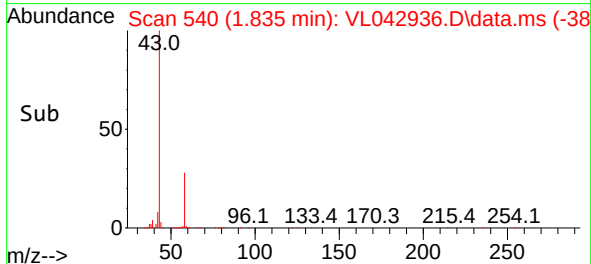
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



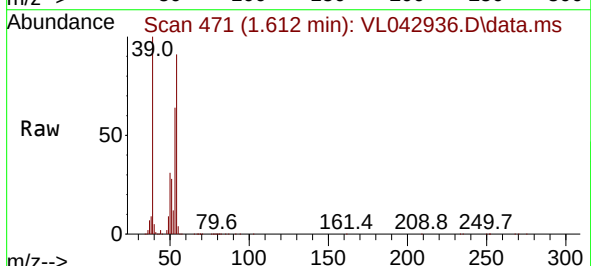
Tgt Ion: 43 Resp: 261592
Ion Ratio Lower Upper
43 100
58 28.2 22.2 33.2

Manual Integrations
APPROVED

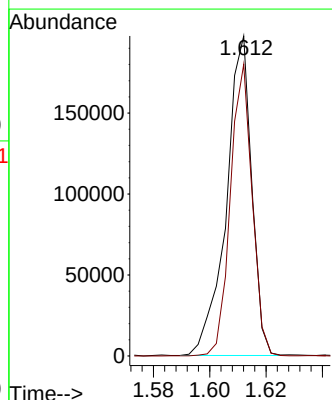
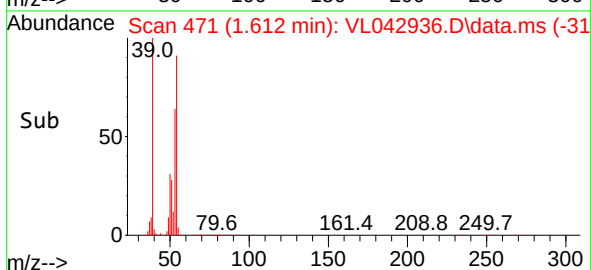
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

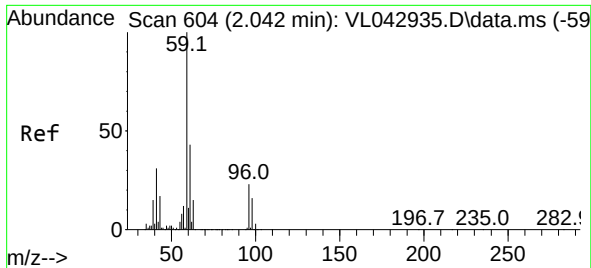


#16
1,3-Butadiene
Concen: 14.413 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17



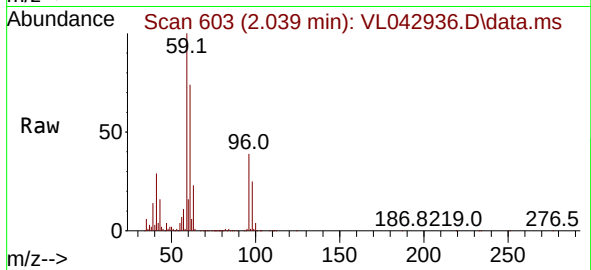
Tgt Ion: 39 Resp: 123576
Ion Ratio Lower Upper
39 100
54 78.4 62.2 93.4





#17
tert-Butyl alcohol
Concen: 14.597 ppbv
RT: 2.039 min Scan# 604
Delta R.T. -0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

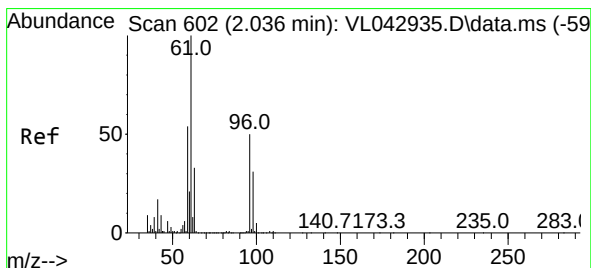
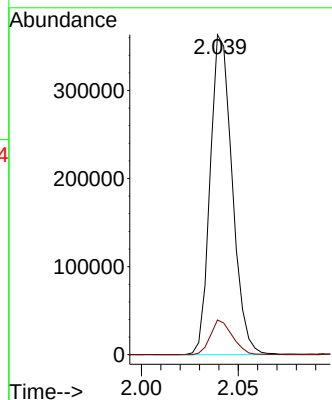
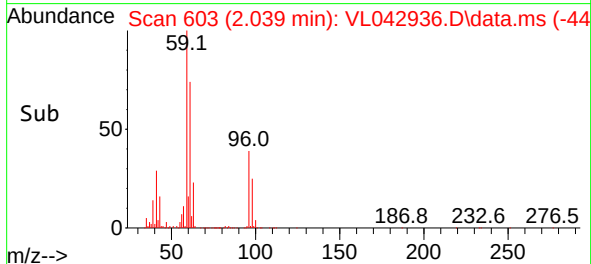
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



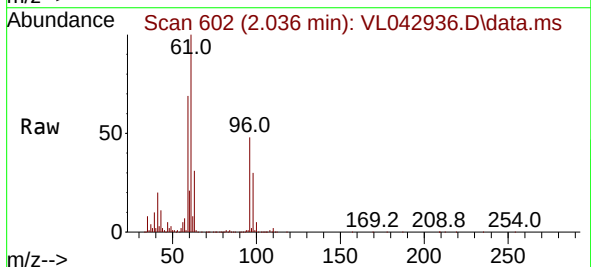
Tgt Ion: 59 Resp: 288104
Ion Ratio Lower Upper
59 100
57 10.8 9.0 13.6

Manual Integrations
APPROVED

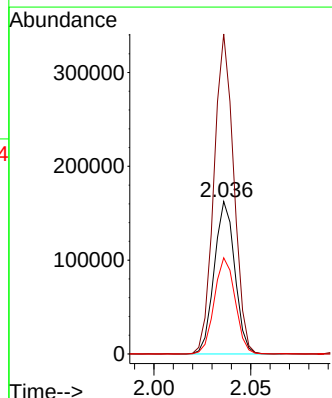
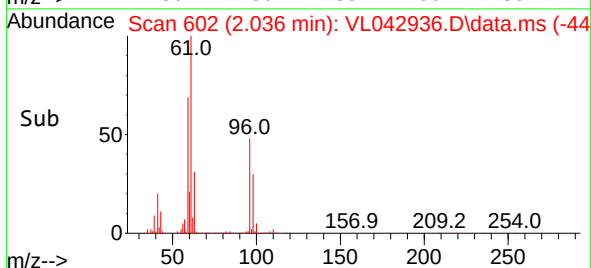
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

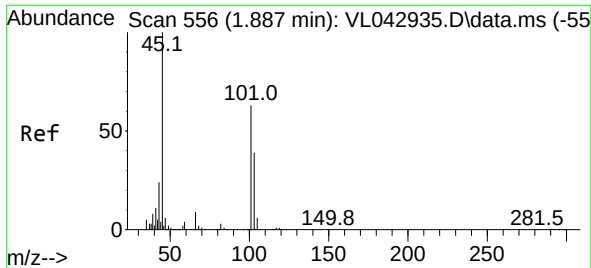


#18
1,1-Dichloroethene
Concen: 14.901 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17



Tgt Ion: 96 Resp: 119994
Ion Ratio Lower Upper
96 100
61 209.9 161.1 241.7
98 63.0 50.7 76.1





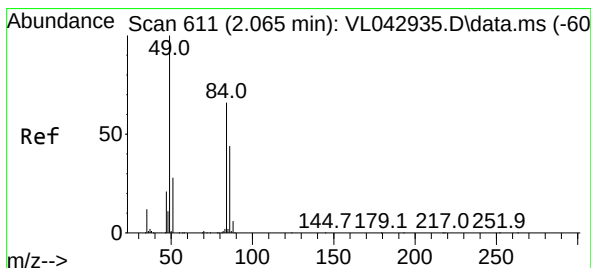
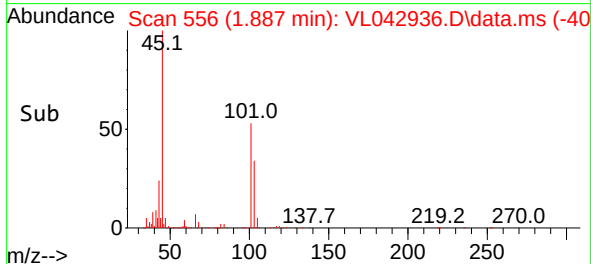
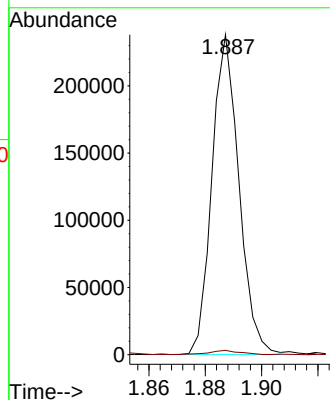
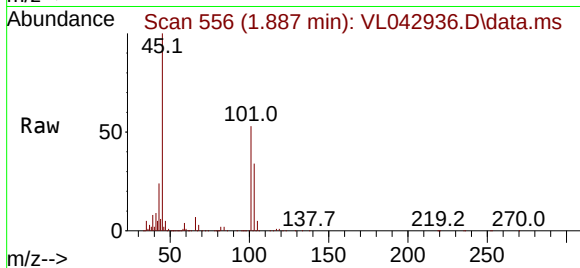
#19
Isopropyl Alcohol
Concen: 14.364 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 15785
Ion Ratio Lower Upper
45 100
58 46.8 2.0 3.0

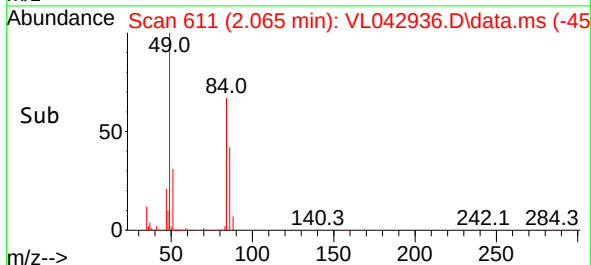
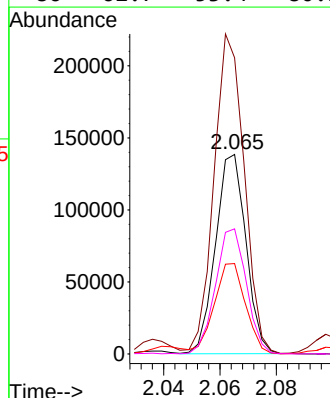
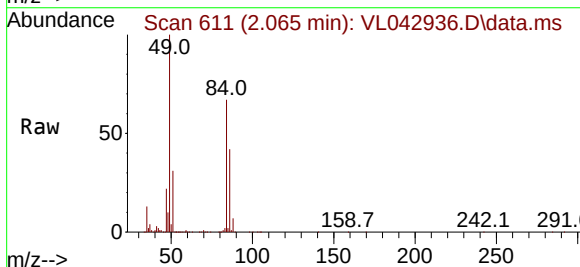
Manual Integrations
APPROVED

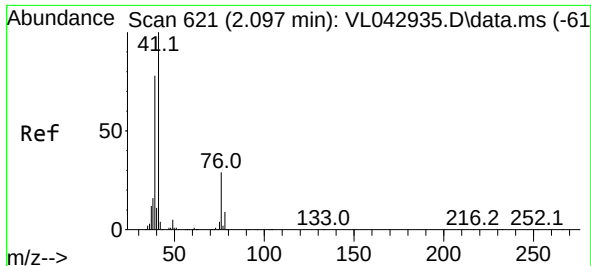
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#20
Methylene Chloride
Concen: 11.646 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

Tgt Ion: 84 Resp: 103933
Ion Ratio Lower Upper
84 100
49 148.4 121.8 182.6
51 45.3 35.6 53.4
86 62.7 53.4 80.2





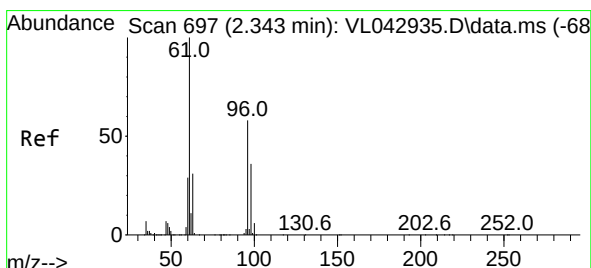
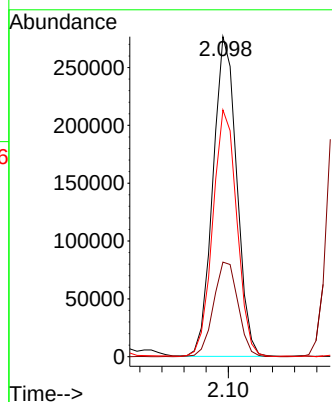
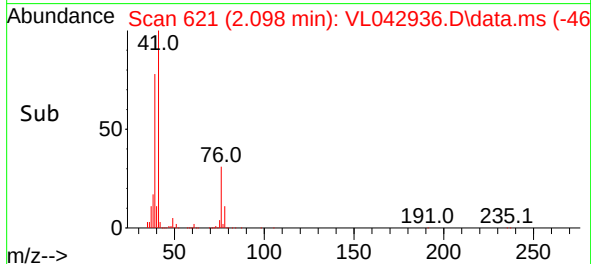
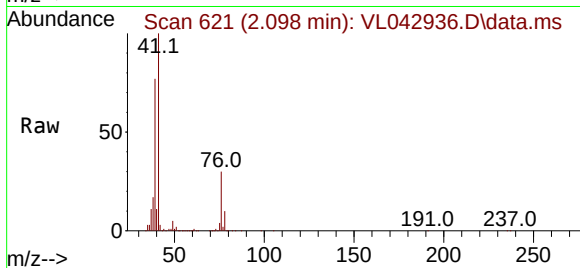
#21
 Allyl Chloride
 Concen: 14.841 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042936.D
 Acq: 17 Sep 2025 14:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 41 Resp: 20620
 Ion Ratio Lower Upper
 41 100
 76 30.6 23.8 35.6
 39 77.8 63.2 94.8

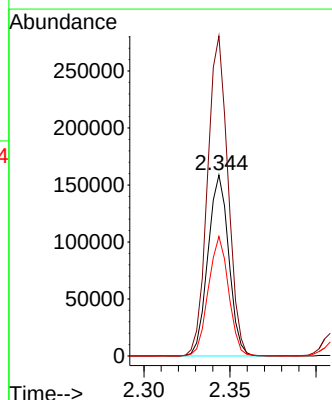
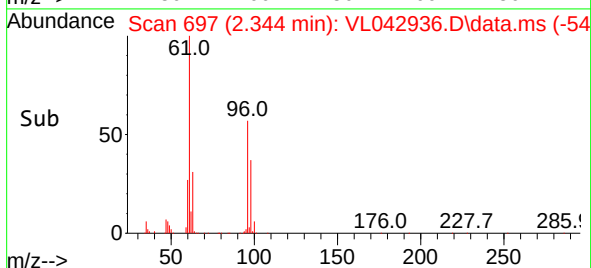
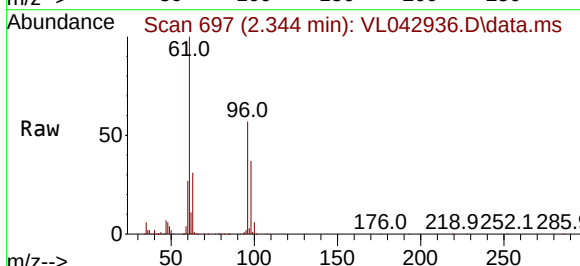
Manual Integrations
 APPROVED

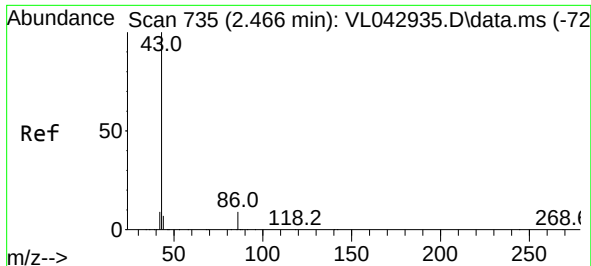
Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#22
 trans-1,2-Dichloroethene
 Concen: 14.624 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL042936.D
 Acq: 17 Sep 2025 14:17

Tgt Ion: 96 Resp: 133482
 Ion Ratio Lower Upper
 96 100
 61 176.7 139.0 208.6
 98 66.0 49.4 74.2





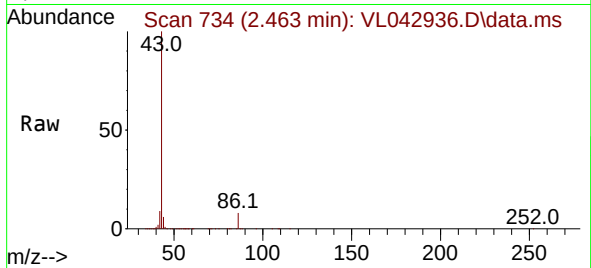
#23
 Vinyl Acetate
 Concen: 17.213 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. -0.003 min
 Lab File: VL042936.D
 Acq: 17 Sep 2025 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

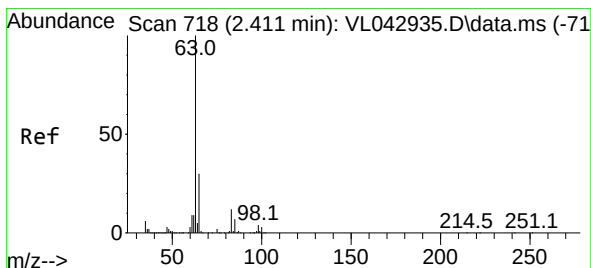
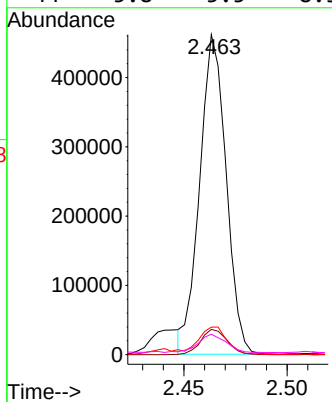
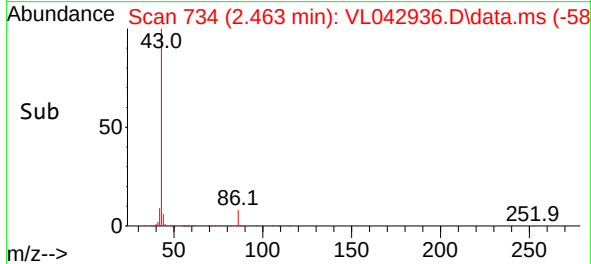


Tgt Ion: 43 Resp: 40995
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.4 9.6
 42 8.6 7.5 11.3
 44 5.8 5.5 8.3

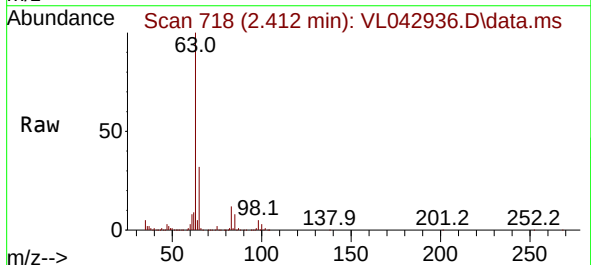
Manual Integrations

APPROVED

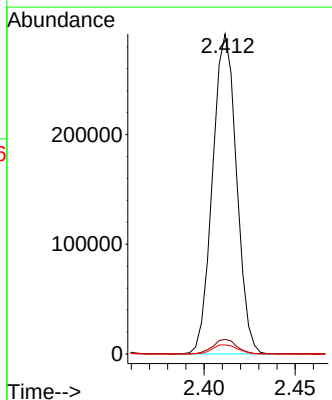
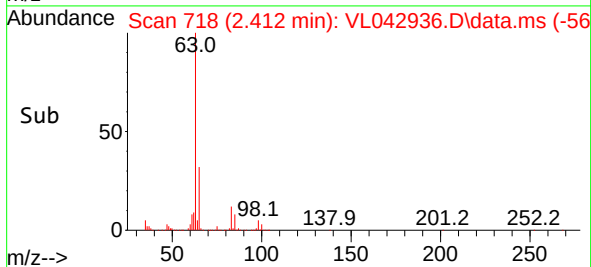
Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025

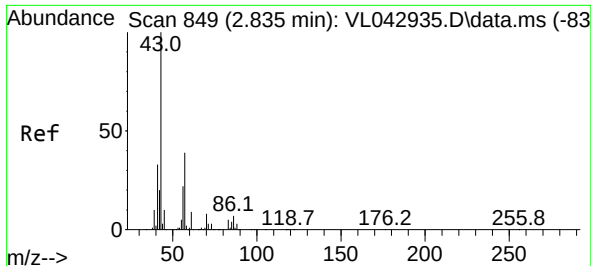


#24
 1,1-Dichloroethane
 Concen: 14.818 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042936.D
 Acq: 17 Sep 2025 14:17



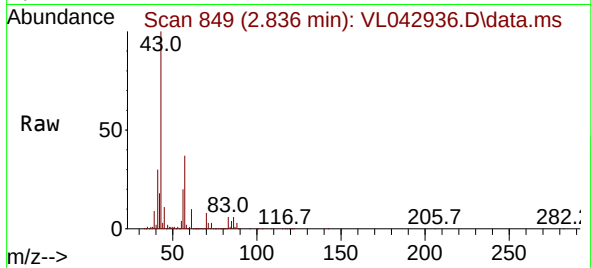
Tgt Ion: 63 Resp: 267165
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.2 6.6
 100 2.8 1.7 5.1





#25
Ethyl Acetate
Concen: 15.935 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

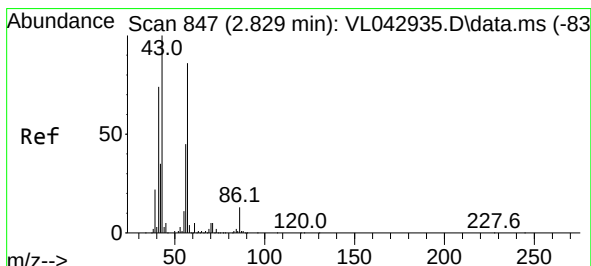
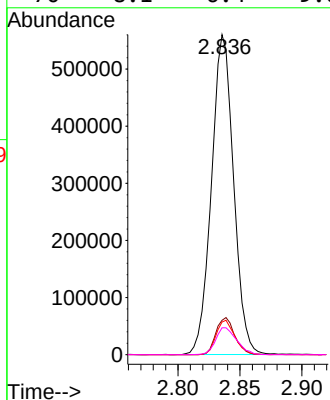
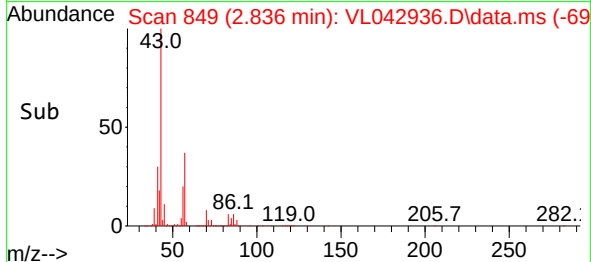
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.8
61	9.2	7.2	10.8
70	8.1	6.4	9.6

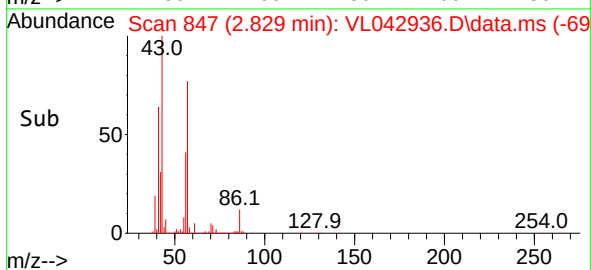
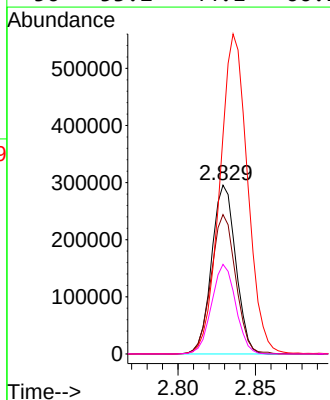
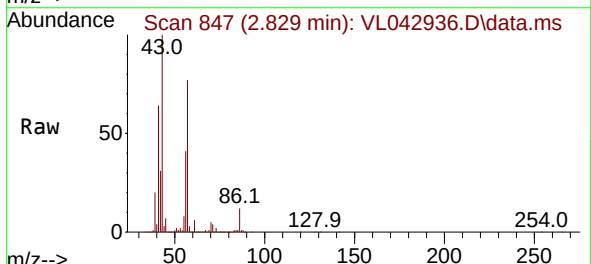
Manual Integrations
APPROVED

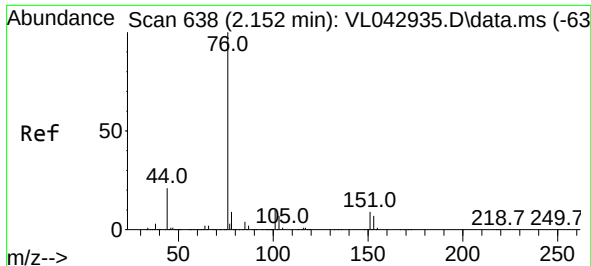
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#26
Hexane
Concen: 17.011 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

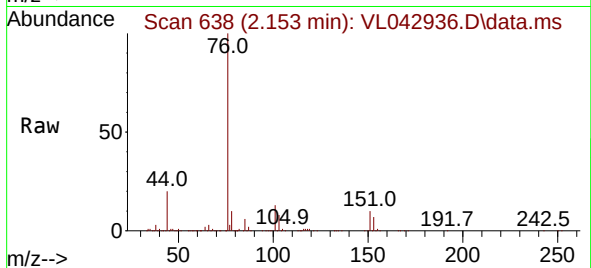
Tgt Ion	Ratio	Lower	Upper
57	100		
41	84.6	71.3	106.9
43	219.1	183.9	275.9
56	53.2	44.1	66.1





#27
Carbon Disulfide
Concen: 14.644 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

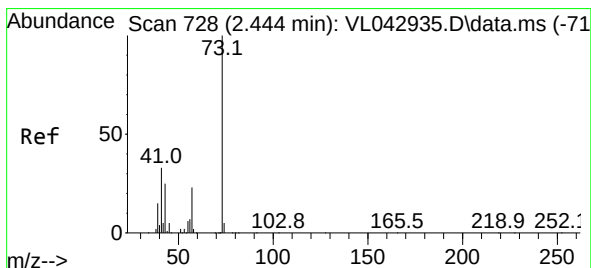
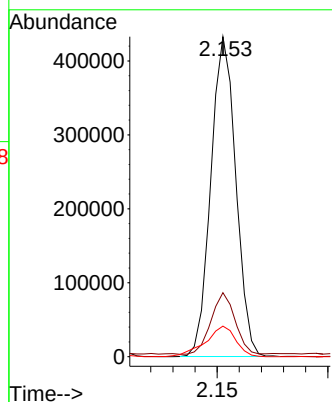
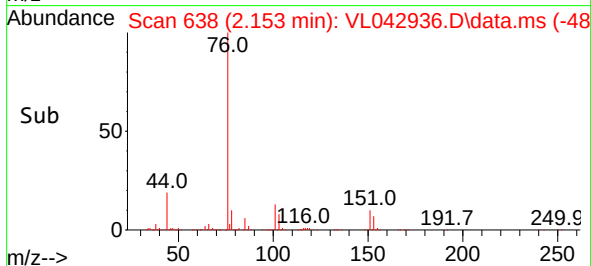
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 76 Resp: 339264
Ion Ratio Lower Upper
76 100
44 18.8 15.4 23.0
78 11.6 9.1 13.7

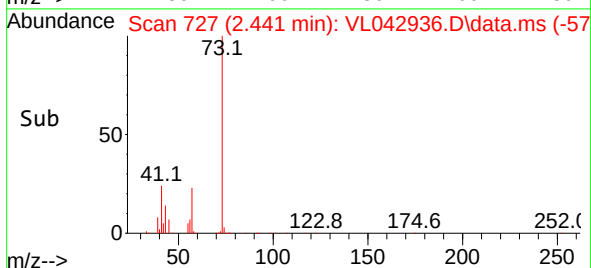
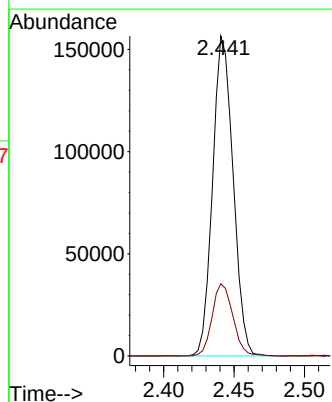
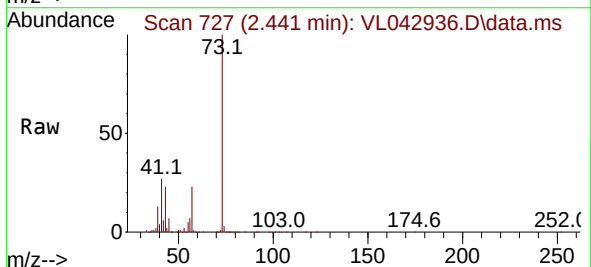
Manual Integrations
APPROVED

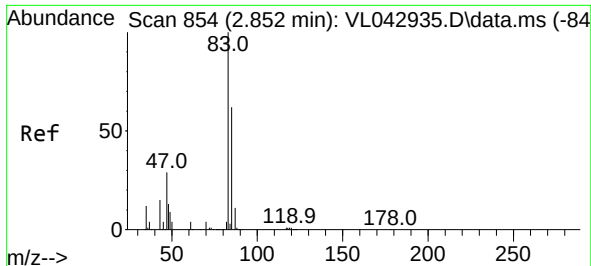
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#28
Methyl tert-Butyl Ether
Concen: 15.384 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

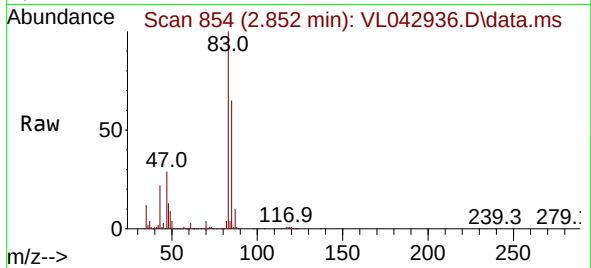
Tgt Ion: 73 Resp: 158791
Ion Ratio Lower Upper
73 100
57 22.9 18.6 28.0





#29
Chloroform
Concen: 14.817 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

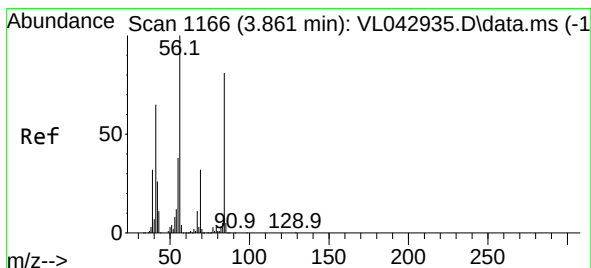
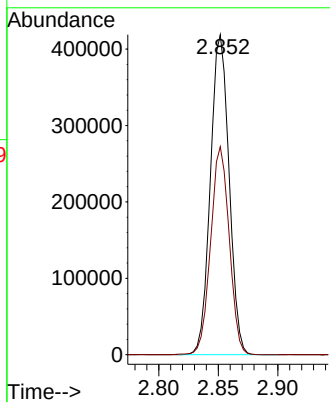
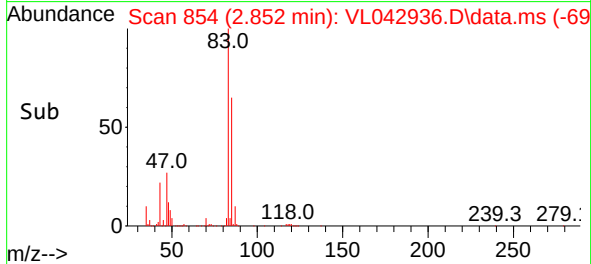
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



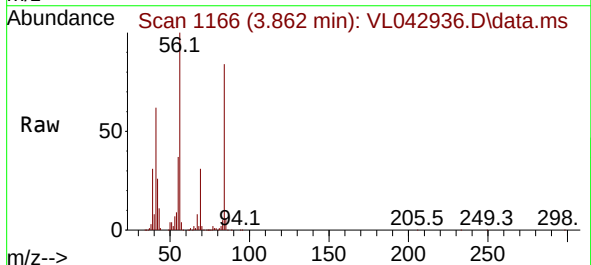
Tgt Ion: 83 Resp: 454938
Ion Ratio Lower Upper
83 100
85 65.0 49.7 74.5

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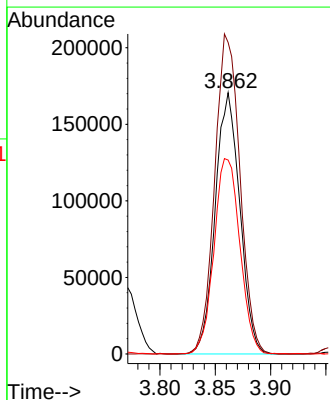
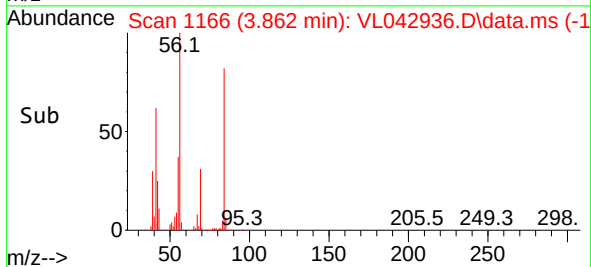
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

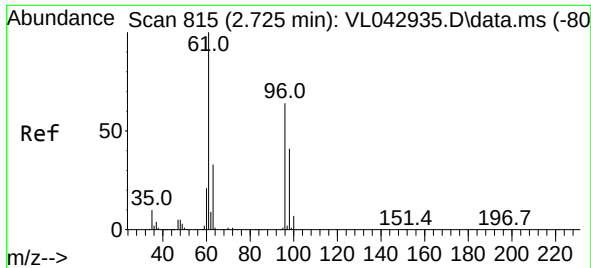


#30
Cyclohexane
Concen: 18.643 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17



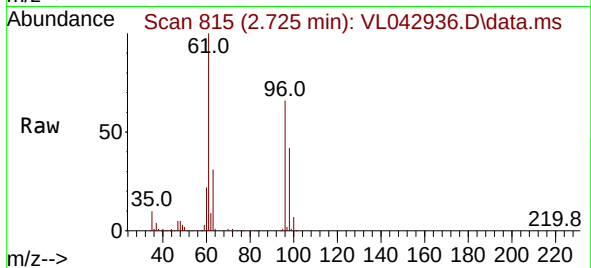
Tgt Ion: 84 Resp: 263817
Ion Ratio Lower Upper
84 100
56 125.8 100.6 150.8
41 78.9 65.4 98.0





#31
 cis-1,2-Dichloroethene
 Concen: 16.240 ppbv
 RT: 2.725 min Scan# 815
 Delta R.T. 0.000 min
 Lab File: VL042936.D
 Acq: 17 Sep 2025 14:17

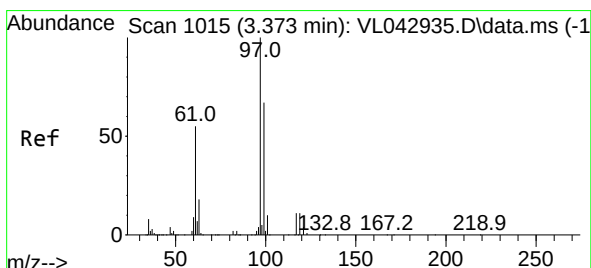
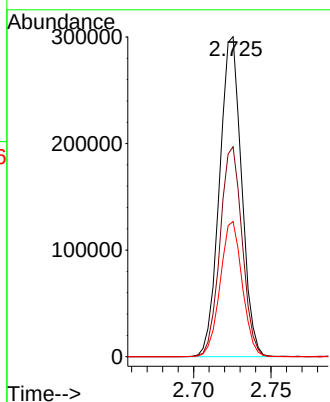
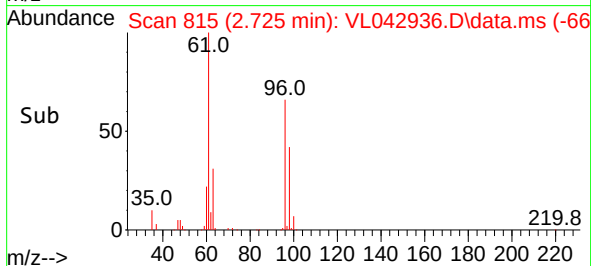
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015



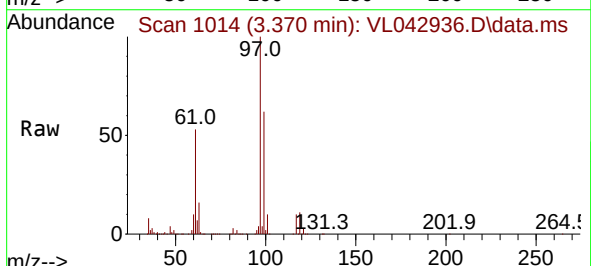
Tgt Ion: 61 Resp: 29783
 Ion Ratio Lower Upper
 61 100
 96 65.6 51.4 77.2
 98 42.2 32.8 49.2

Manual Integrations
 APPROVED

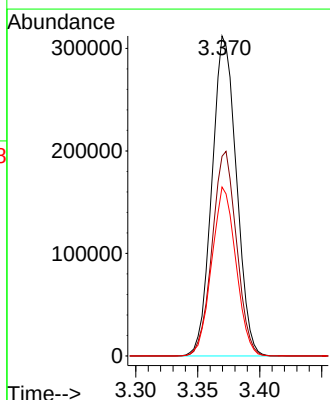
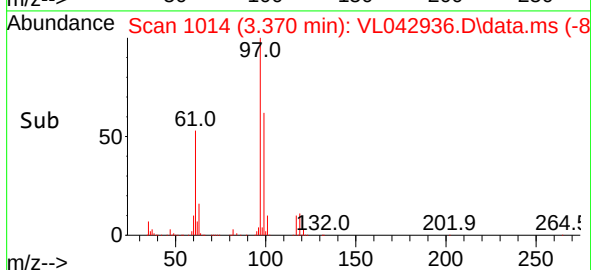
Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025

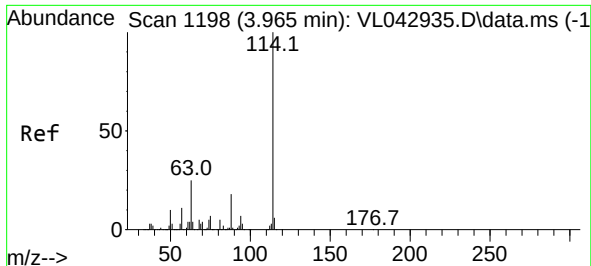


#32
 1,1,1-Trichloroethane
 Concen: 14.944 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. -0.003 min
 Lab File: VL042936.D
 Acq: 17 Sep 2025 14:17



Tgt Ion: 97 Resp: 429312
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.0 76.4
 61 52.5 43.2 64.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.003 min

Lab File: VL042936.D

Acq: 17 Sep 2025 14:17

Instrument :

MSVOA_L

ClientSampleId :

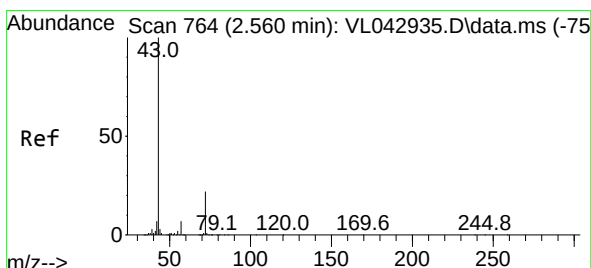
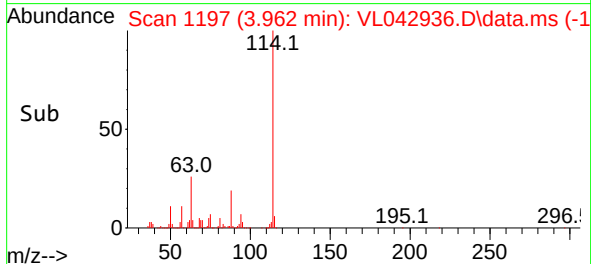
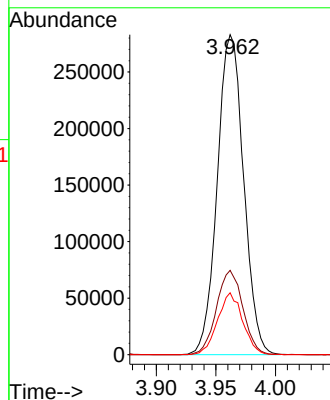
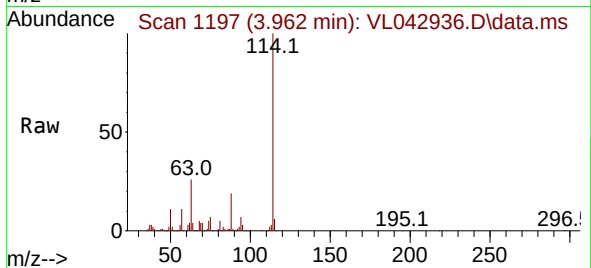
VSTDICC015

Tgt Ion:	114	Resp:	435144
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: 15.858 ppbv

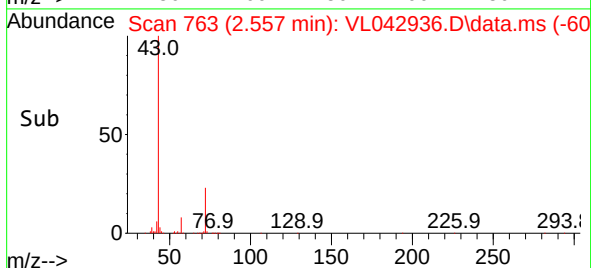
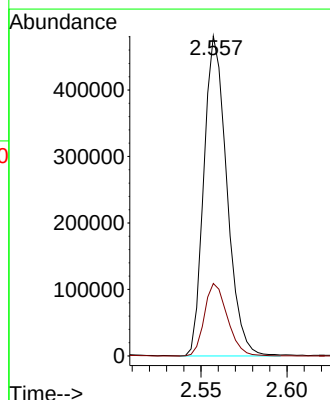
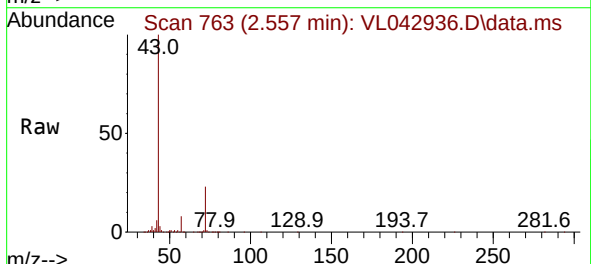
RT: 2.557 min Scan# 763

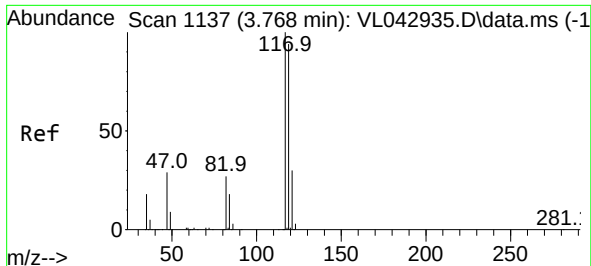
Delta R.T. -0.003 min

Lab File: VL042936.D

Acq: 17 Sep 2025 14:17

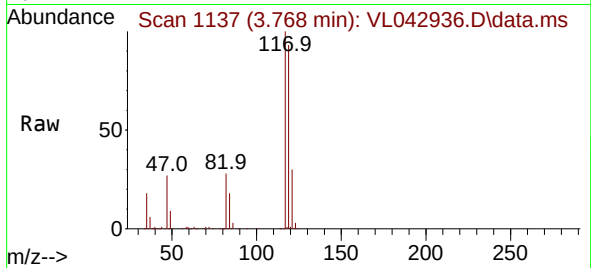
Tgt Ion:	43	Resp:	447323
Ion Ratio	Lower	Upper	
43	100		
72	22.7	17.2	25.8





#35
Carbon Tetrachloride
Concen: 14.062 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

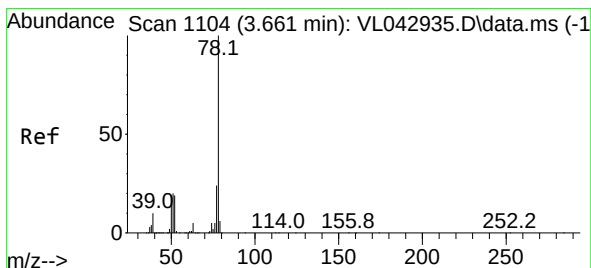
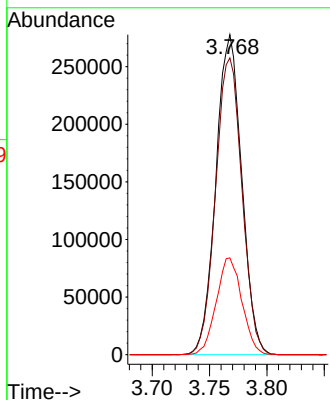
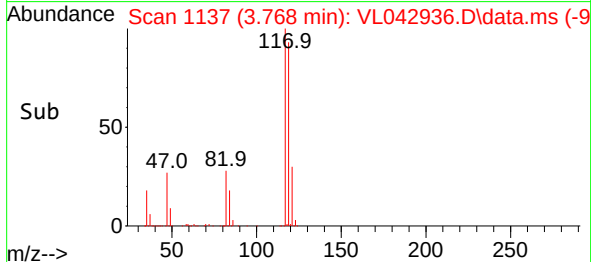
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion:117 Resp: 43496
Ion Ratio Lower Upper
117 100
119 92.7 74.9 112.3
121 30.3 24.0 36.0

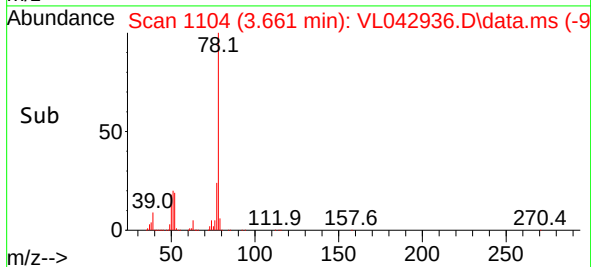
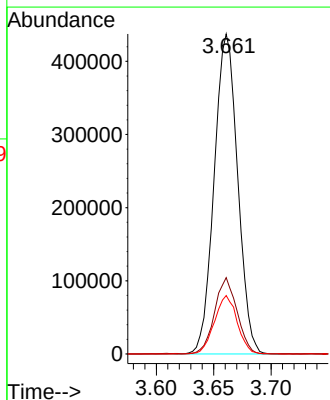
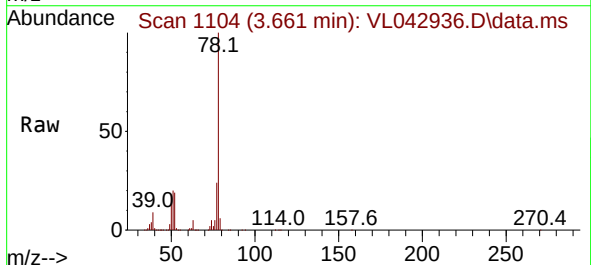
Manual Integrations
APPROVED

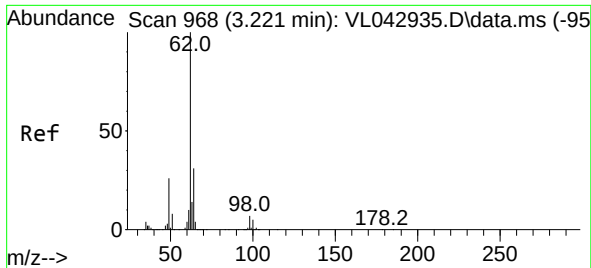
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#36
Benzene
Concen: 16.412 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

Tgt Ion: 78 Resp: 622923
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8
50 18.3 14.8 22.2





#37

1,2-Dichloroethane

Concen: 15.055 ppbv

RT: 3.221 min Scan# 968

Delta R.T. 0.000 min

Lab File: VL042936.D

Acq: 17 Sep 2025 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 62 Resp: 34223

Ion Ratio Lower Upper

62 100

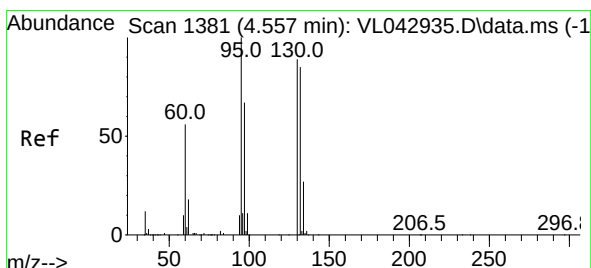
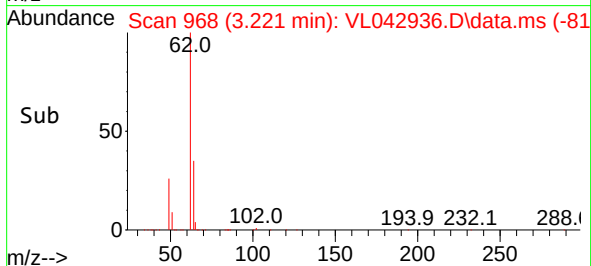
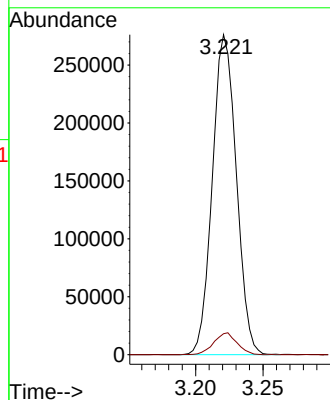
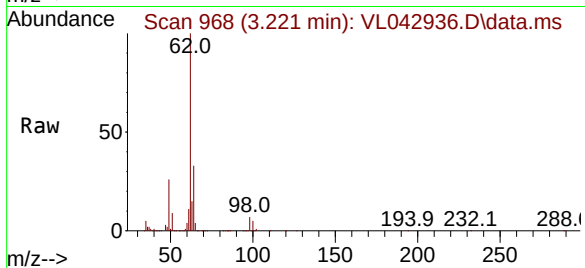
98 6.6 5.5 8.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#38

Trichloroethene

Concen: 15.314 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. -0.003 min

Lab File: VL042936.D

Acq: 17 Sep 2025 14:17

Tgt Ion:130 Resp: 263119

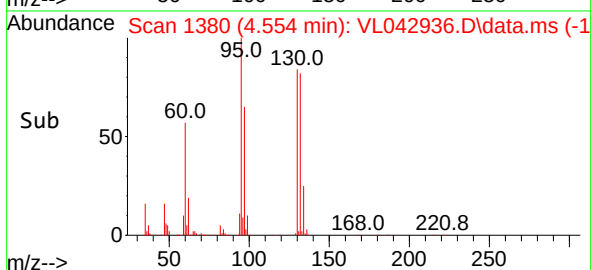
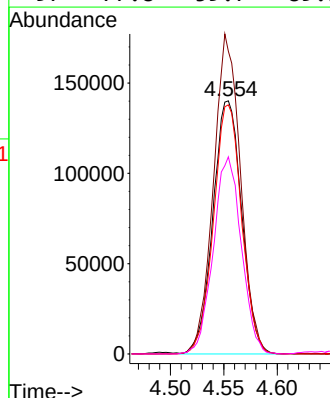
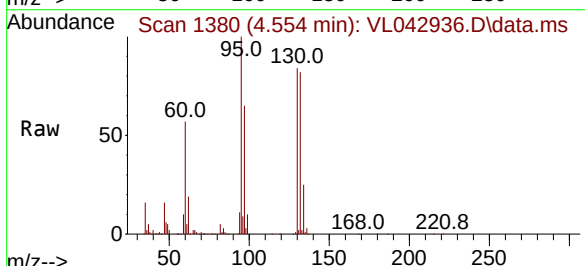
Ion Ratio Lower Upper

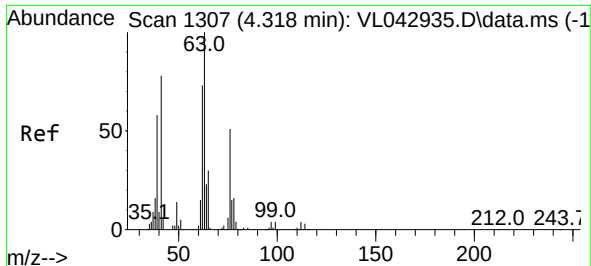
130 100

95 119.4 89.8 134.6

132 98.3 76.3 114.5

97 77.8 59.7 89.5





#39

1,2-Dichloropropane

Concen: 15.214 ppbv

RT: 4.318 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VL042936.D

Acq: 17 Sep 2025 14:17

Instrument :

MSVOA_L

ClientSampleId :

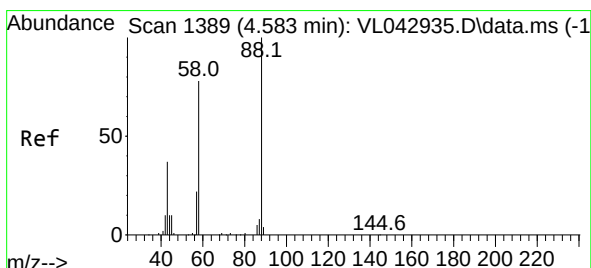
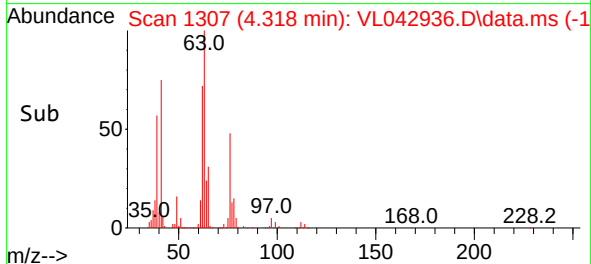
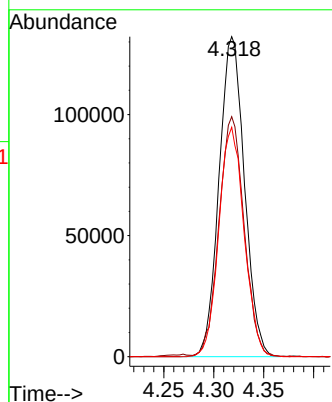
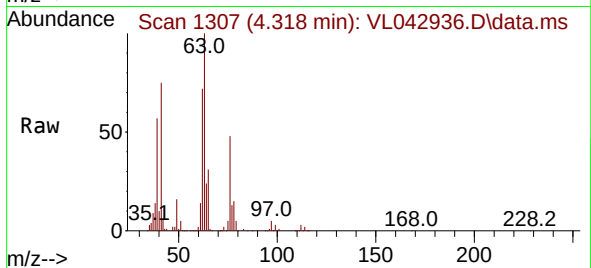
VSTDICC015

Tgt Ion:	63	Resp:	23333
Ion	Ratio	Lower	Upper
63	100		
41	74.9	62.7	94.1
62	71.7	58.4	87.6

Manual Integrations

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



#40

1,4-Dioxane

Concen: 17.330 ppbv

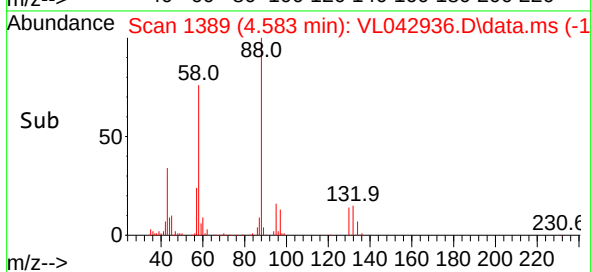
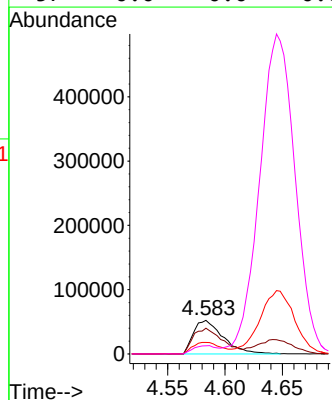
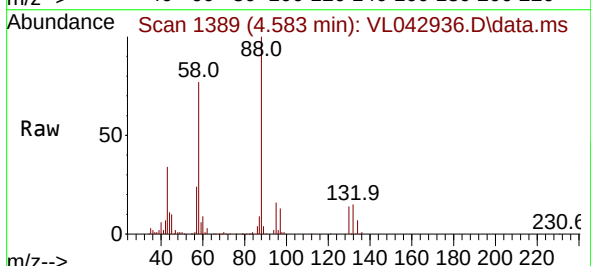
RT: 4.583 min Scan# 1389

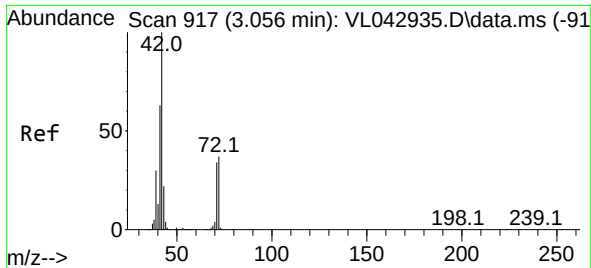
Delta R.T. 0.000 min

Lab File: VL042936.D

Acq: 17 Sep 2025 14:17

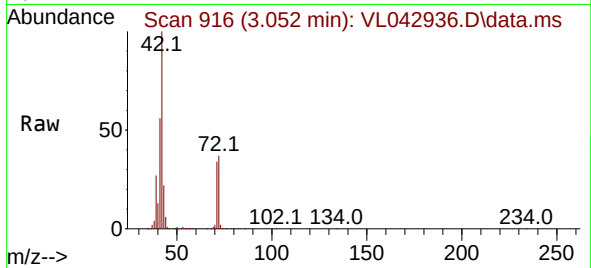
Tgt Ion:	88	Resp:	94289
Ion	Ratio	Lower	Upper
88	100		
58	74.2	61.5	92.3
43	32.4	28.3	42.5
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 18.235 ppbv
RT: 3.052 min Scan# 917
Delta R.T. -0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

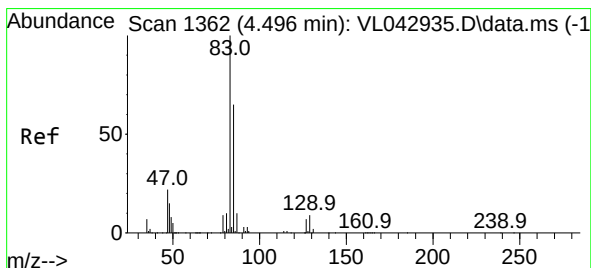
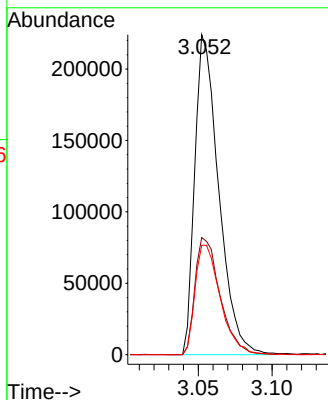
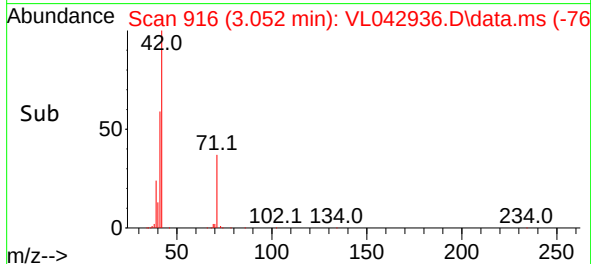
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 42 Resp: 252880
Ion Ratio Lower Upper
42 100
72 38.3 30.4 45.6
71 36.2 28.3 42.5

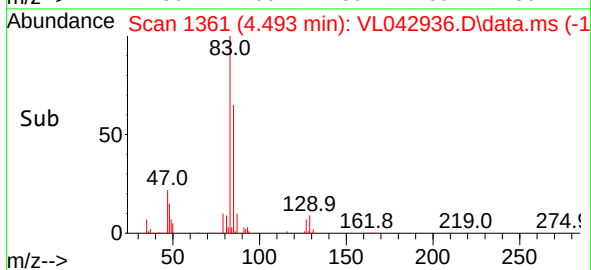
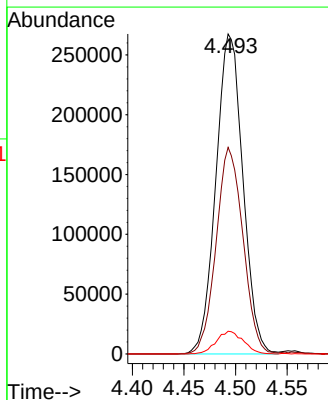
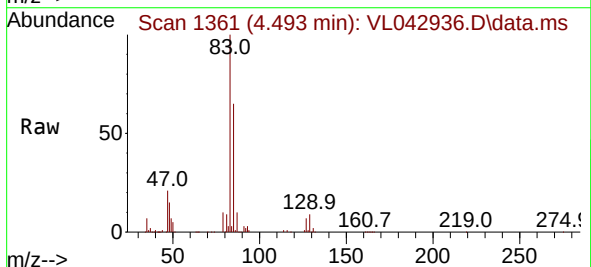
Manual Integrations
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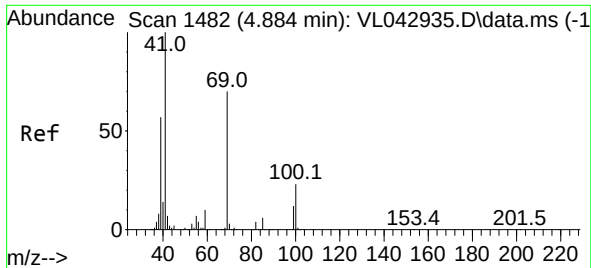
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#42
Bromodichloromethane
Concen: 14.935 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

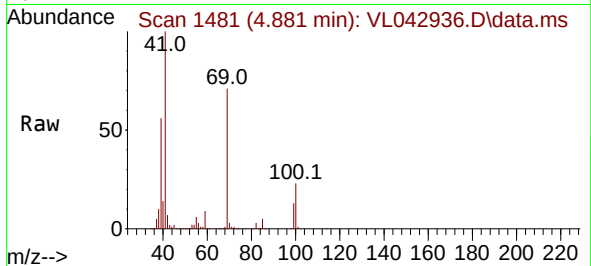
Tgt Ion: 83 Resp: 487210
Ion Ratio Lower Upper
83 100
85 64.5 52.1 78.1
127 7.1 6.0 9.0





#43
Methyl Methacrylate
Concen: 18.657 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. -0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

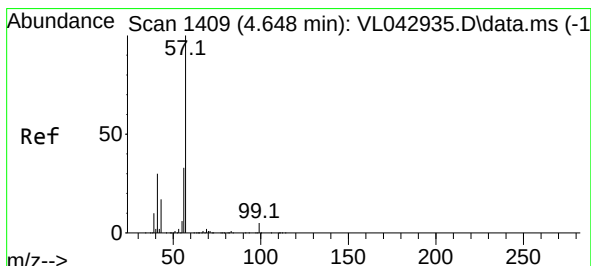
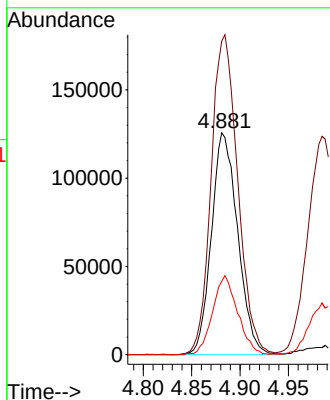
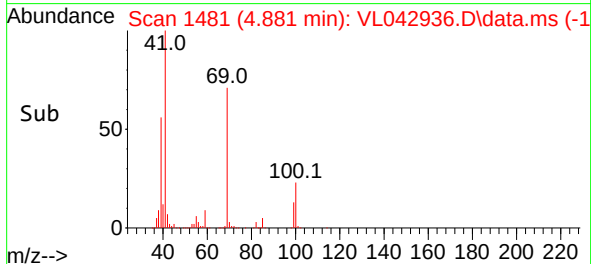
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



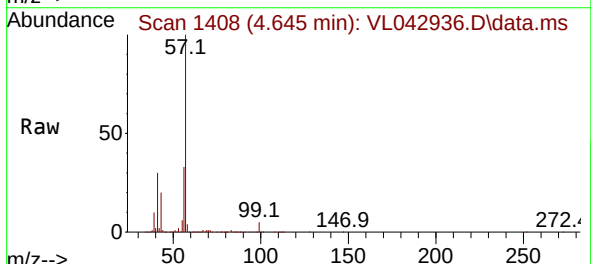
Tgt Ion: 69 Resp: 237510
Ion Ratio Lower Upper
69 100
41 145.7 118.6 178.0
100 34.0 26.2 39.4

Manual Integrations
APPROVED

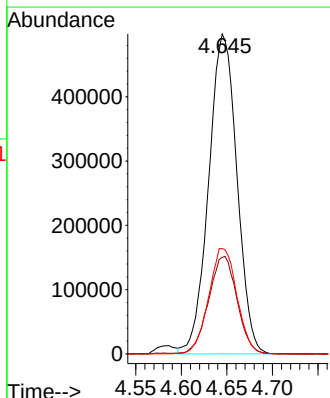
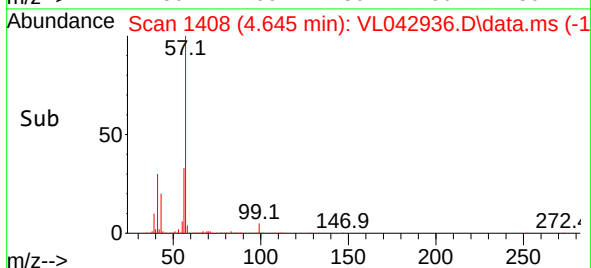
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

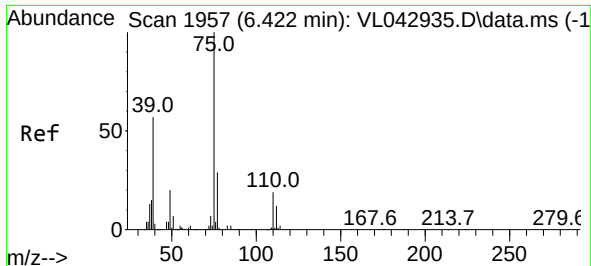


#44
2,2,4-Trimethylpentane
Concen: 16.972 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17



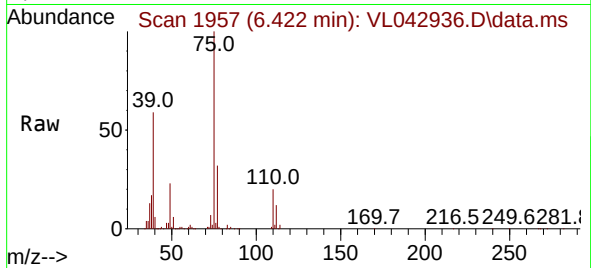
Tgt Ion: 57 Resp: 1074444
Ion Ratio Lower Upper
57 100
41 30.9 25.8 38.6
56 33.0 26.2 39.4





#45
t-1,3-Dichloropropene
Concen: 18.517 ppbv
RT: 6.422 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

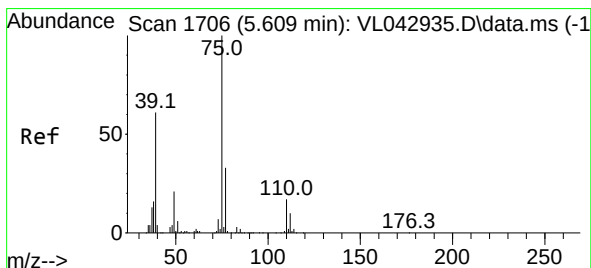
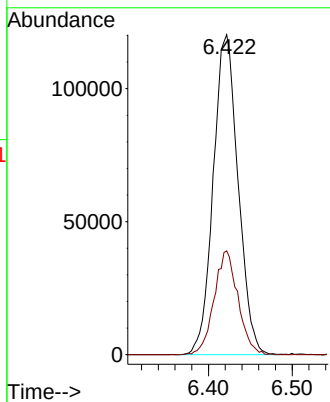
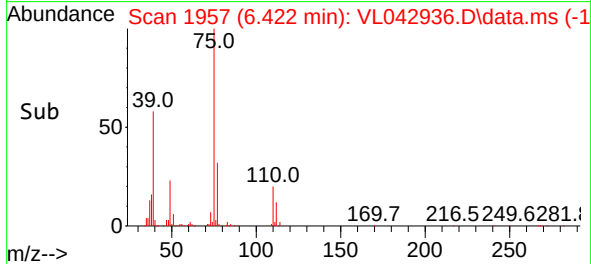
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 75 Resp: 24812
Ion Ratio Lower Upper
75 100
77 32.5 23.5 35.3

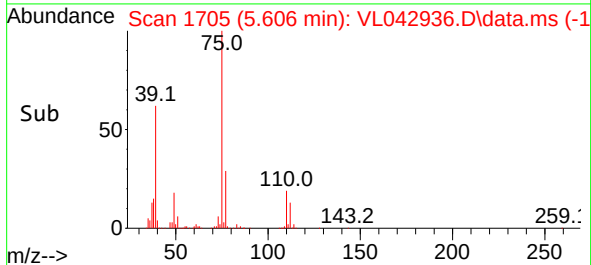
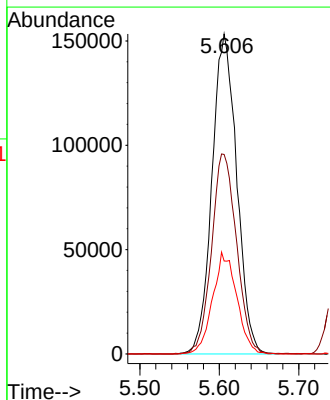
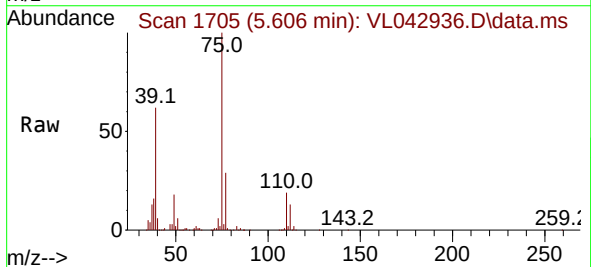
Manual Integrations
APPROVED

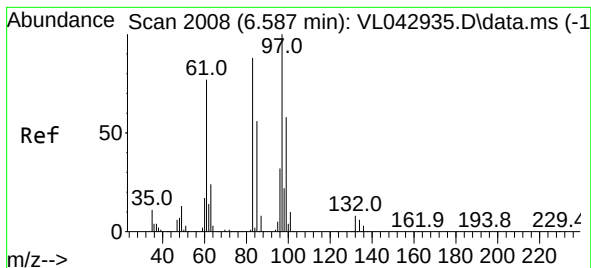
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#46
cis-1,3-Dichloropropene
Concen: 17.939 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. -0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

Tgt Ion: 75 Resp: 331381
Ion Ratio Lower Upper
75 100
39 62.2 49.0 73.4
77 29.1 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 15.216 ppbv

RT: 6.587 min Scan# 2008

Delta R.T. 0.000 min

Lab File: VL042936.D

Acq: 17 Sep 2025 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 23799

Ion Ratio Lower Upper

97 100

83 88.6 70.6 106.0

85 57.5 44.9 67.3

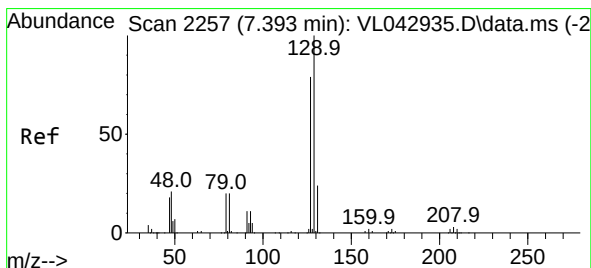
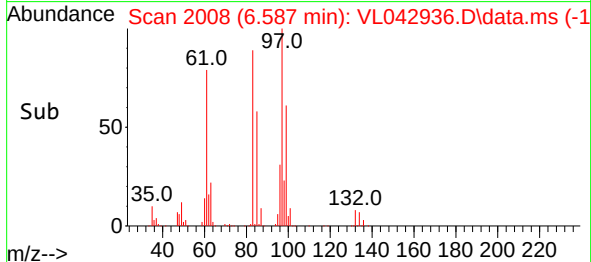
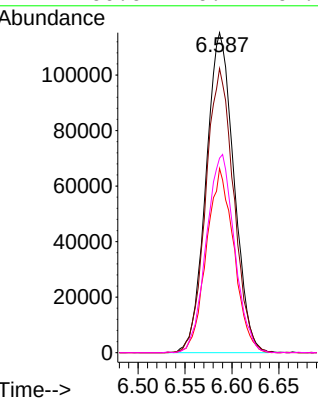
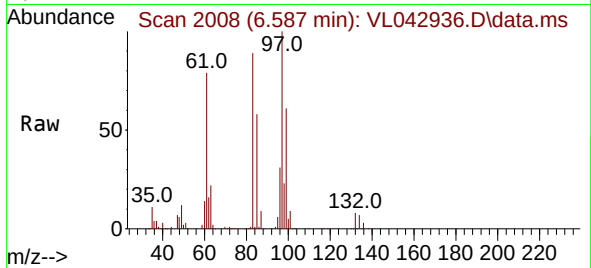
99 60.6 46.2 69.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#48

Dibromochloromethane

Concen: 15.464 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VL042936.D

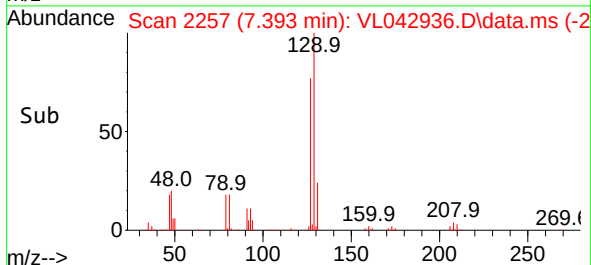
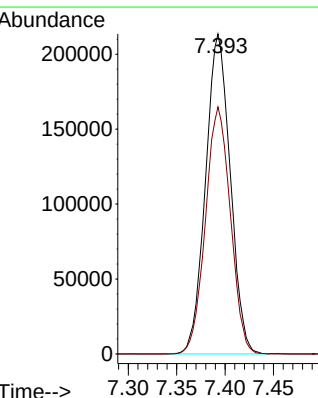
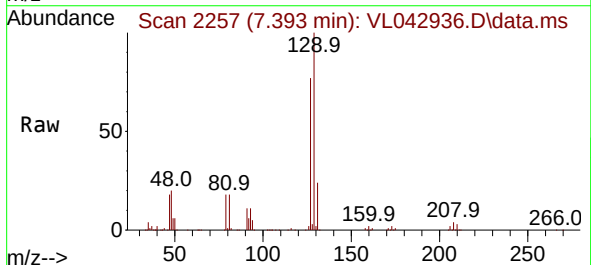
Acq: 17 Sep 2025 14:17

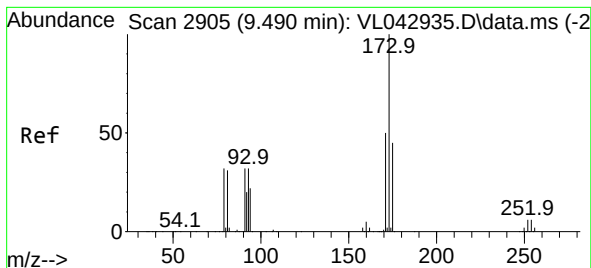
Tgt Ion:129 Resp: 378815

Ion Ratio Lower Upper

129 100

127 78.0 38.8 116.3





#49

Bromoform

Concen: 15.709 ppbv

RT: 9.490 min Scan# 2905

Delta R.T. 0.000 min

Lab File: VL042936.D

Acq: 17 Sep 2025 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:173 Resp: 30034

Ion Ratio Lower Upper

173 100

175 48.6 38.6 58.0

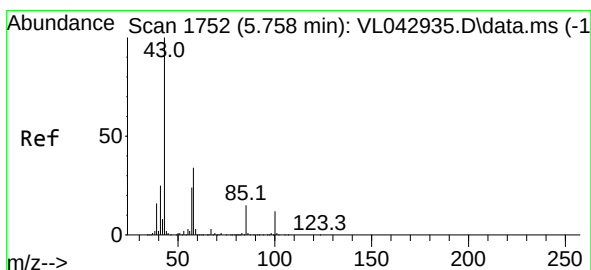
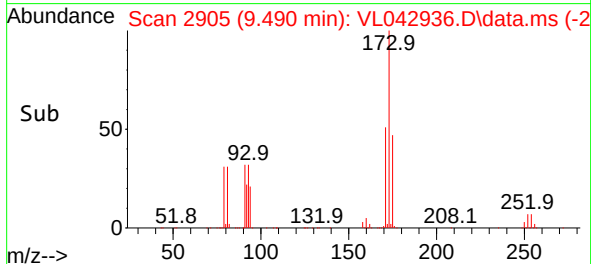
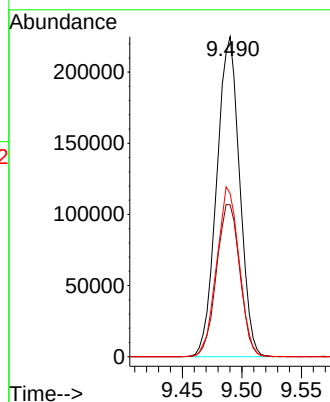
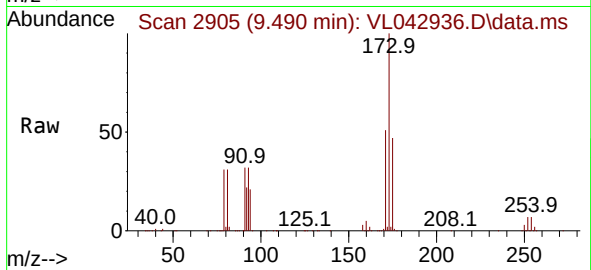
171 52.1 41.7 62.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#50

4-Methyl-2-Pentanone

Concen: 18.544 ppbv

RT: 5.755 min Scan# 1751

Delta R.T. -0.003 min

Lab File: VL042936.D

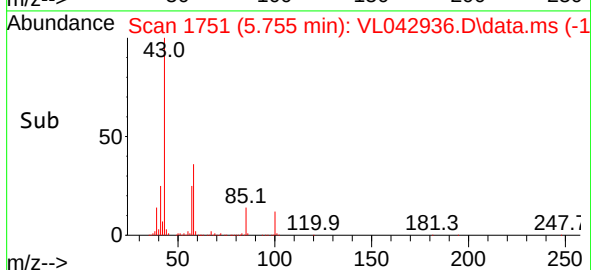
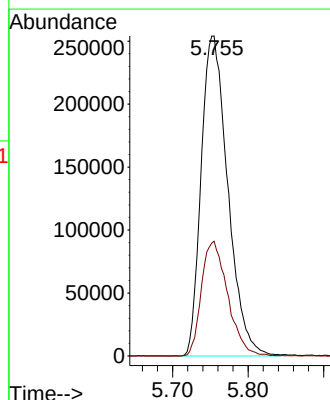
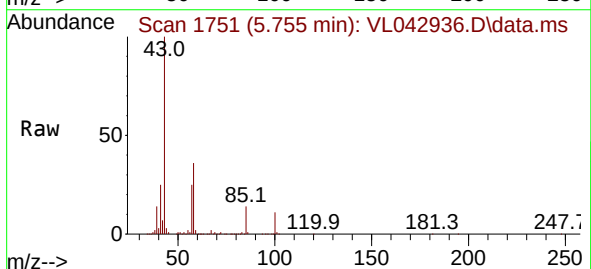
Acq: 17 Sep 2025 14:17

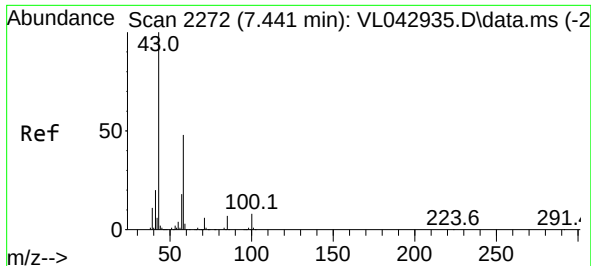
Tgt Ion: 43 Resp: 623273

Ion Ratio Lower Upper

43 100

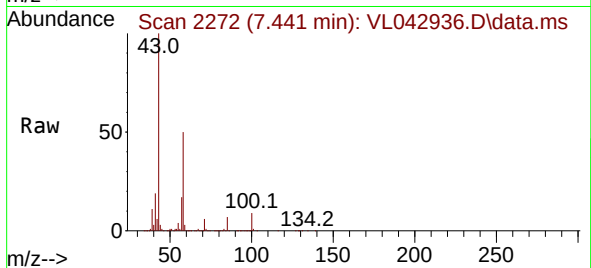
58 35.3 27.5 41.3





#51
2-Hexanone
Concen: 19.922 ppbv
RT: 7.441 min Scan# 2272
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

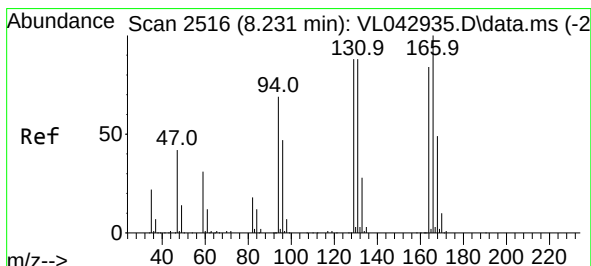
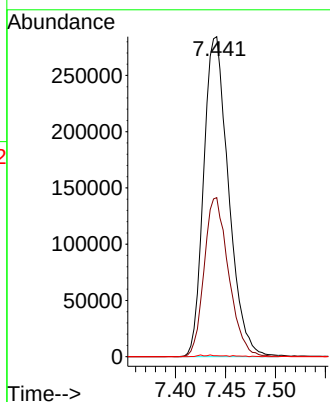
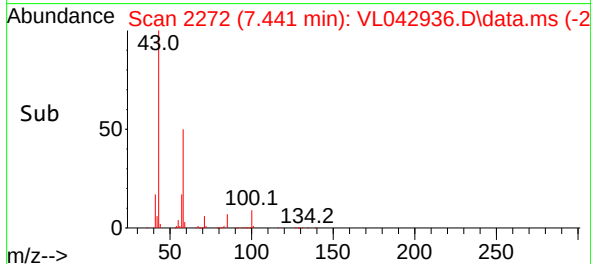
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 43 Resp: 492844
Ion Ratio Lower Upper
43 100
58 49.0 37.9 56.9
98 0.6 0.7 1.1

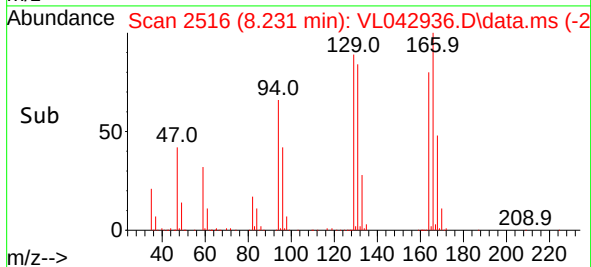
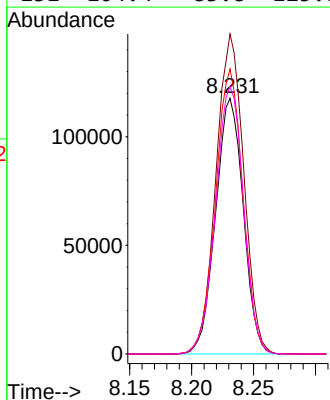
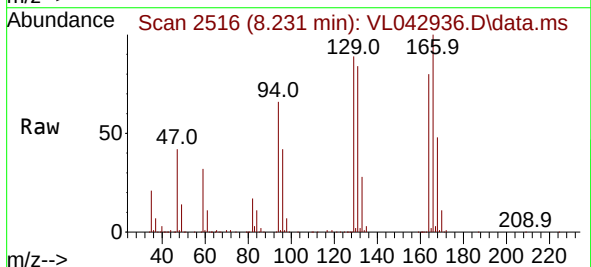
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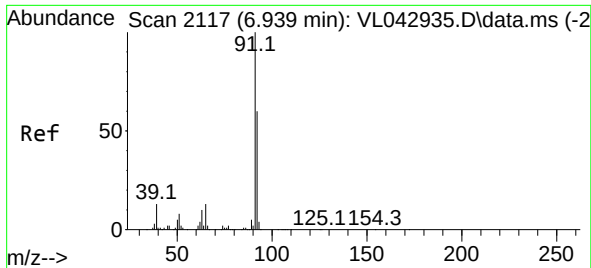
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#52
Tetrachloroethene
Concen: 15.516 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

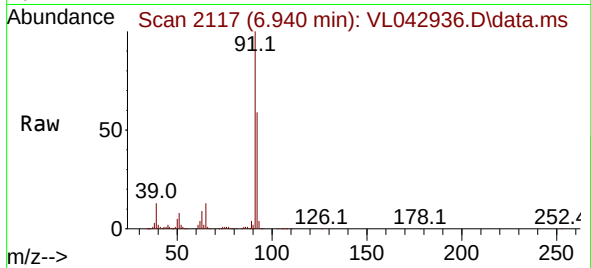
Tgt Ion:164 Resp: 183151
Ion Ratio Lower Upper
164 100
166 125.2 95.4 143.0
129 111.3 84.0 126.0
131 104.4 83.8 125.8





#53
Toluene
Concen: 19.184 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

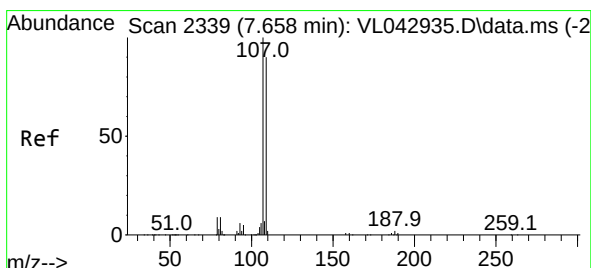
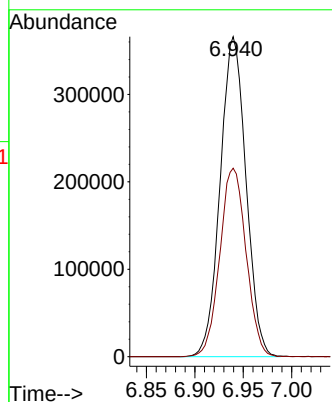
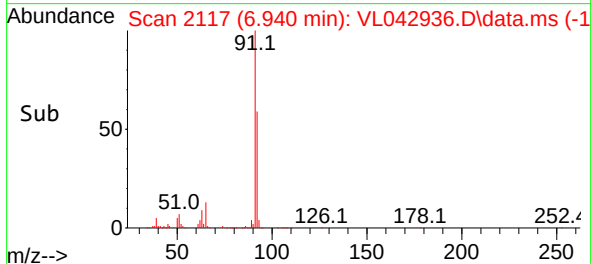
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



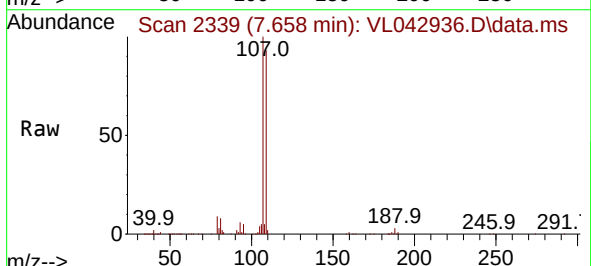
Tgt Ion: 91 Resp: 67866
Ion Ratio Lower Upper
91 100
92 60.1 47.4 71.2

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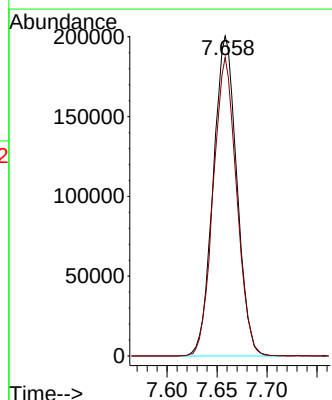
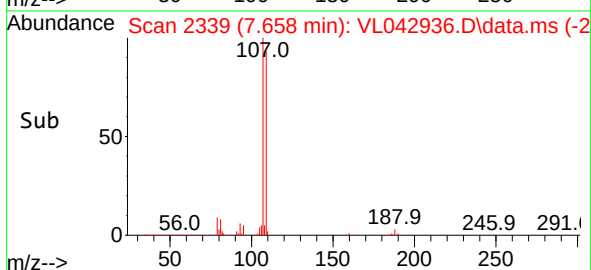
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

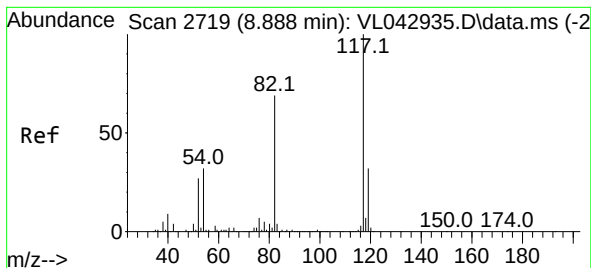


#54
1,2-Dibromoethane
Concen: 16.376 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17



Tgt Ion:107 Resp: 329410
Ion Ratio Lower Upper
107 100
109 93.3 71.8 107.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.000 min

Lab File: VL042936.D

Acq: 17 Sep 2025 14:17

Instrument :

MSVOA_L

ClientSampleId :

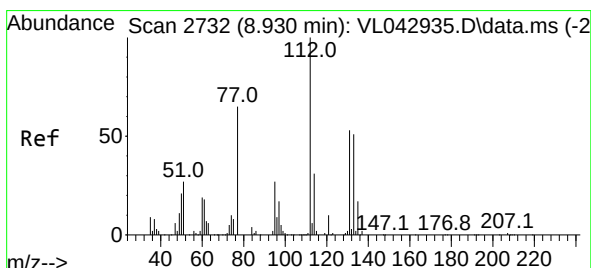
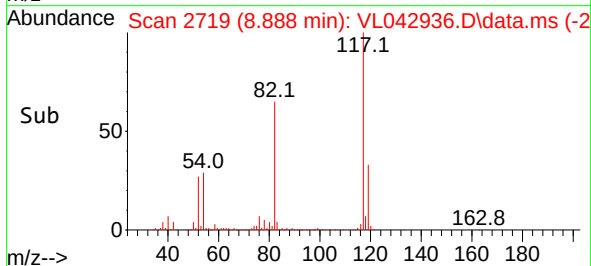
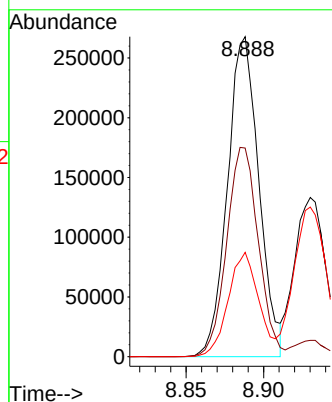
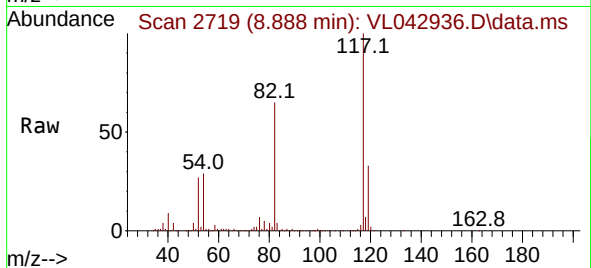
VSTDIC015

Tgt Ion:	117	Resp:	37812
Ion Ratio	Lower	Upper	
117	100		
82	71.1	56.1	84.1
119	30.8	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: 14.654 ppbv

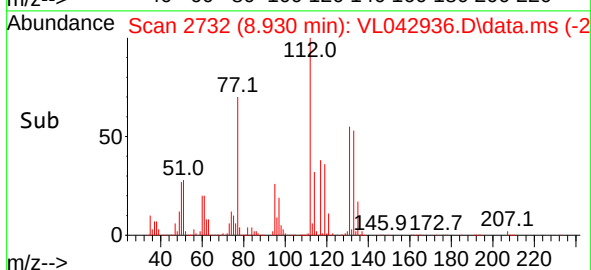
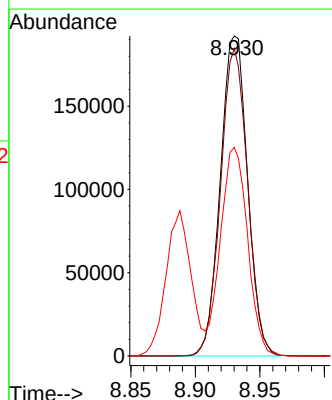
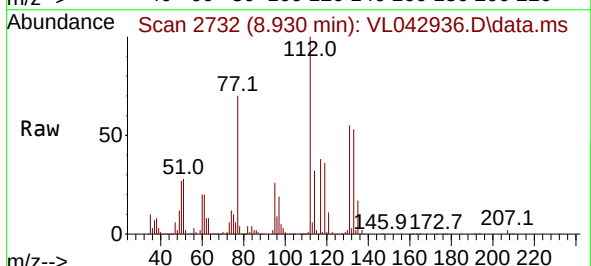
RT: 8.930 min Scan# 2732

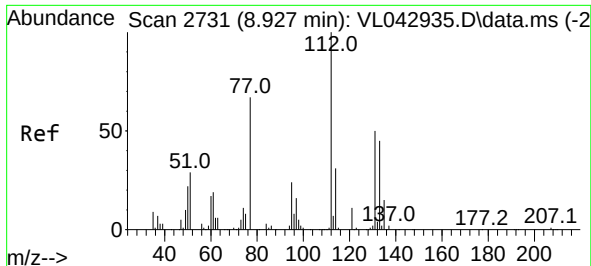
Delta R.T. 0.000 min

Lab File: VL042936.D

Acq: 17 Sep 2025 14:17

Tgt Ion:	131	Resp:	282351
Ion Ratio	Lower	Upper	
131	100		
133	95.3	76.1	114.1
119	64.7	53.4	80.2





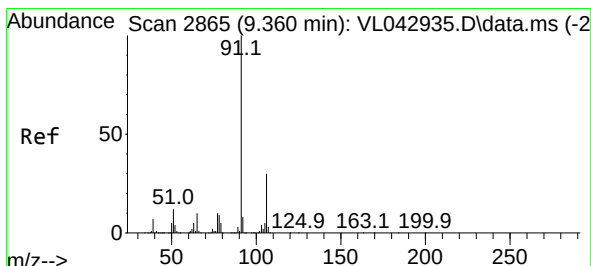
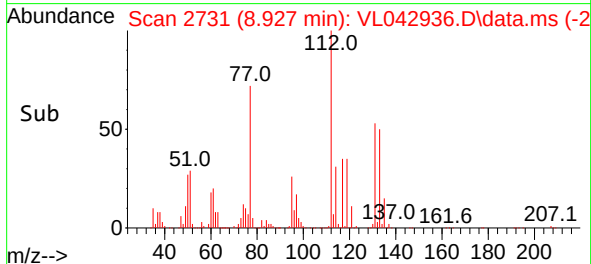
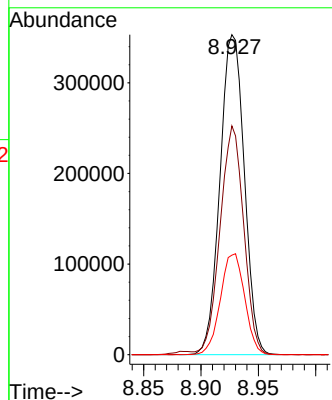
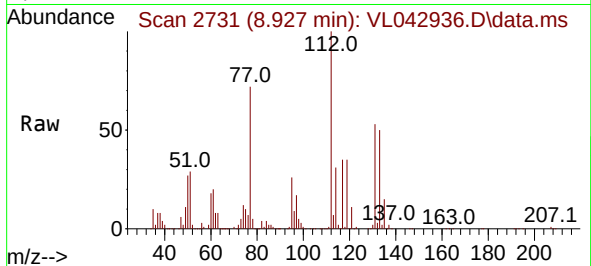
#57
Chlorobenzene
Concen: 14.916 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 112 Resp: 521288
Ion Ratio Lower Upper
112 100
77 71.4 54.8 82.2
114 31.1 28.2 34.4

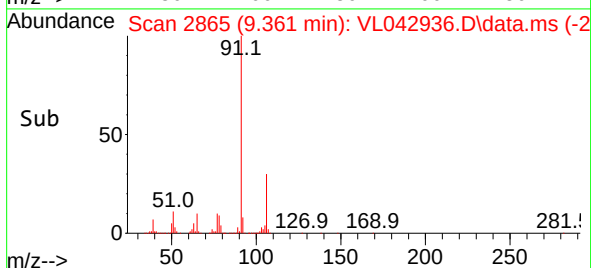
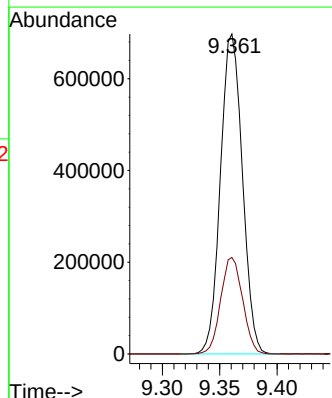
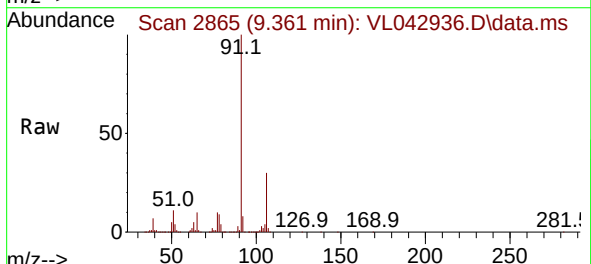
Manual Integrations
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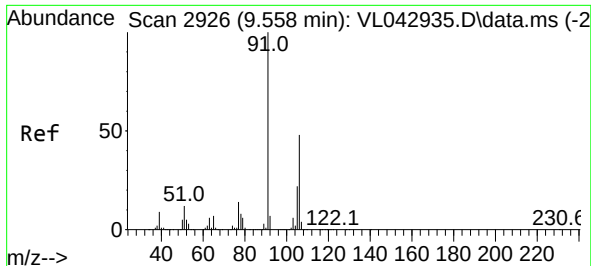
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#58
Ethyl Benzene
Concen: 19.058 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

Tgt Ion: 91 Resp: 928410
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.4





#59

m/p-Xylene

Concen: 36.519 ppbv m

RT: 9.558 min Scan# 2926

Delta R.T. 0.000 min

Lab File: VL042936.D

Acq: 17 Sep 2025 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 91 Resp: 150352

Ion Ratio Lower Upper

91 100

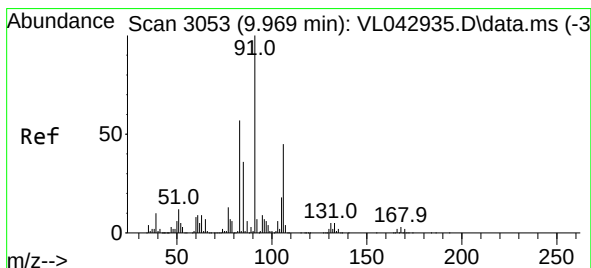
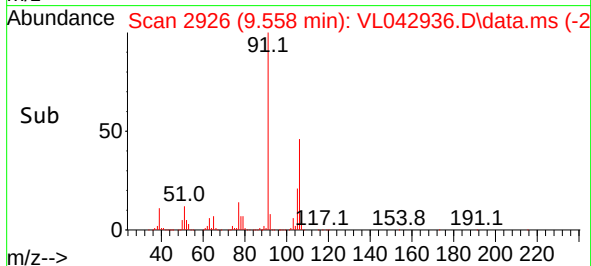
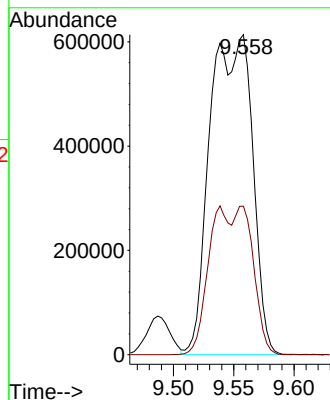
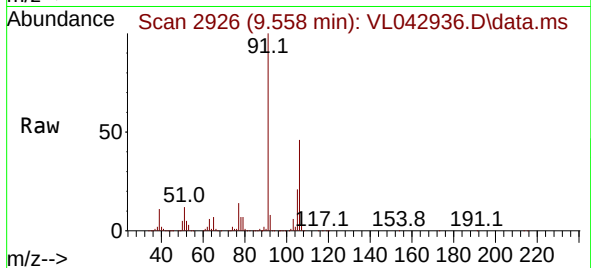
106 0.0 37.4 56.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#60

o-Xylene

Concen: 18.607 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VL042936.D

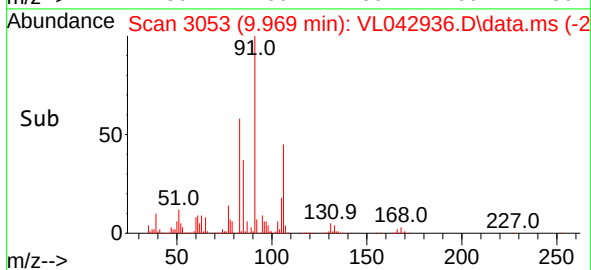
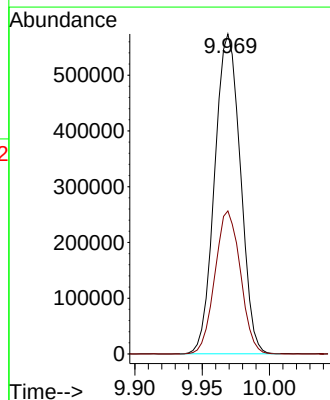
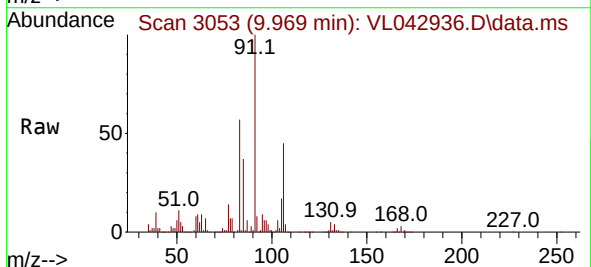
Acq: 17 Sep 2025 14:17

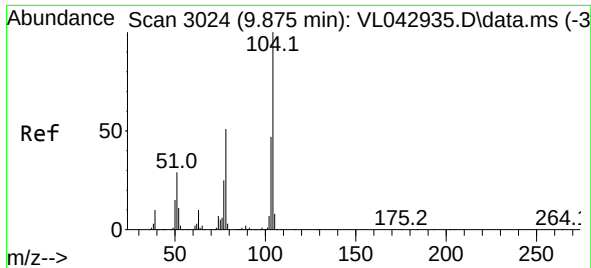
Tgt Ion: 91 Resp: 761569

Ion Ratio Lower Upper

91 100

106 44.4 22.1 66.5





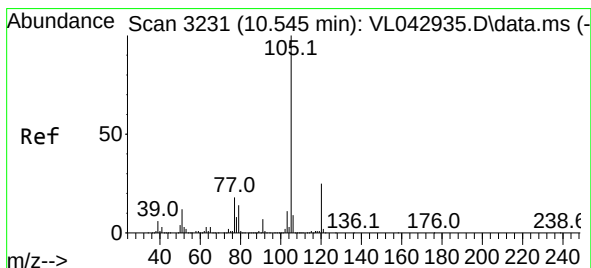
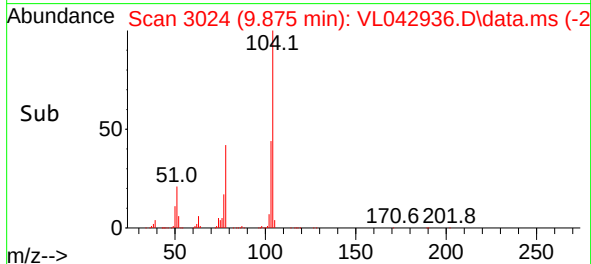
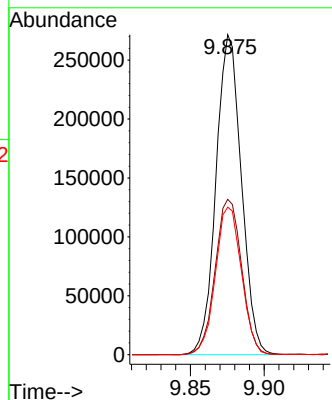
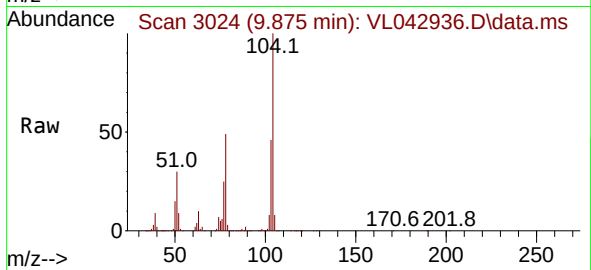
#61
Styrene
Concen: 15.069 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:104 Resp: 32508
Ion Ratio Lower Upper
104 100
78 50.7 40.2 60.2
103 47.4 36.8 55.2

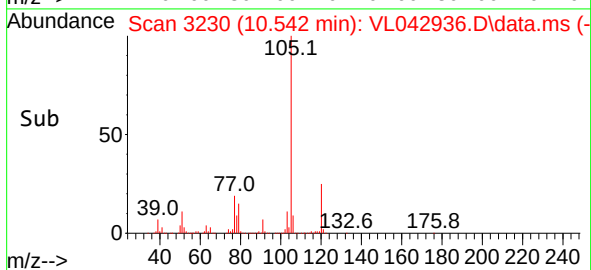
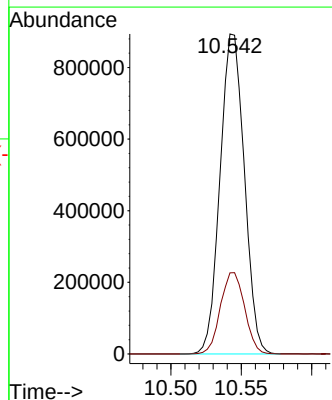
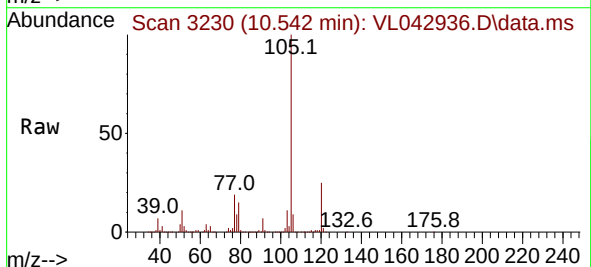
Manual Integrations
APPROVED

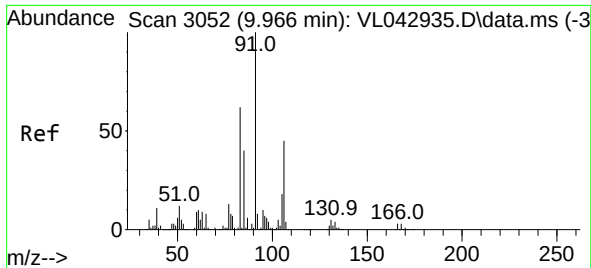
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#62
Isopropylbenzene
Concen: 17.986 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

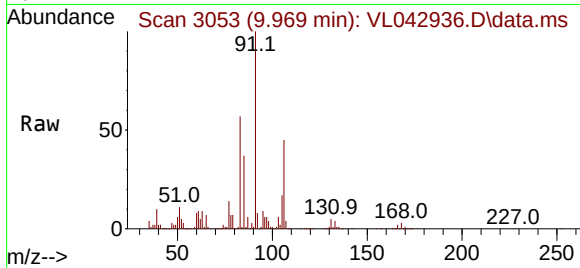
Tgt Ion:105 Resp: 1072342
Ion Ratio Lower Upper
105 100
120 25.3 20.0 30.0





#63
1,1,2,2-Tetrachloroethane
Concen: 14.434 ppbv
RT: 9.969 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

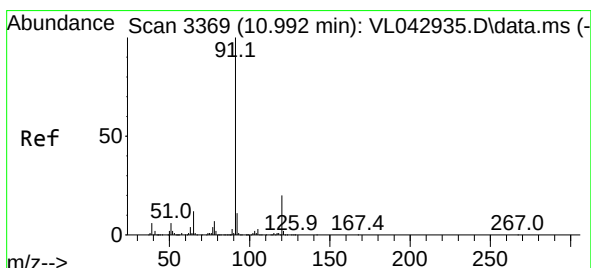
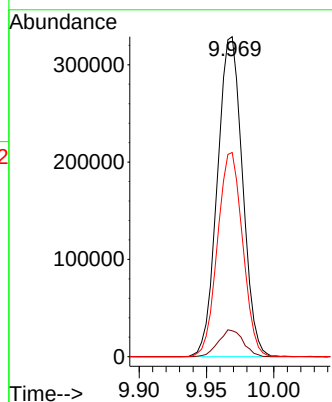
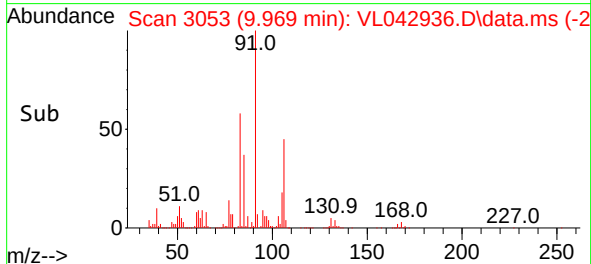
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



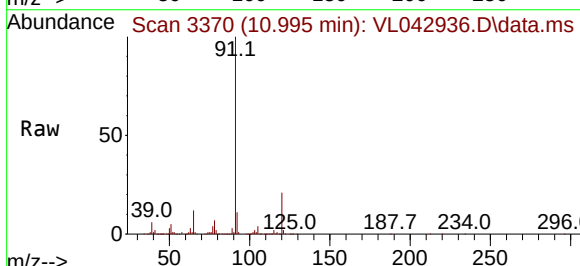
Tgt Ion: 83 Resp: 426688
Ion Ratio Lower Upper
83 100
131 8.3 4.2 12.6
85 63.9 32.6 98.0

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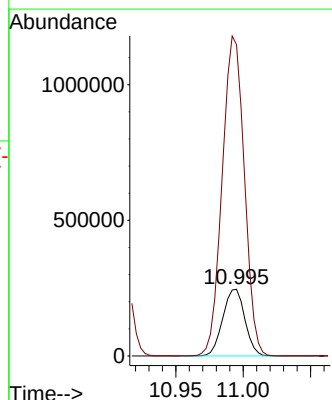
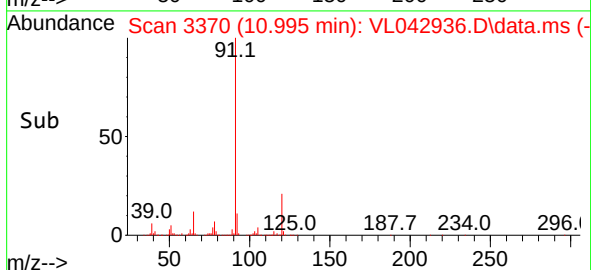
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

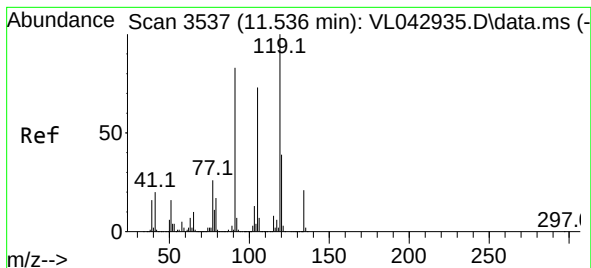


#64
n-propylbenzene
Concen: 18.126 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17



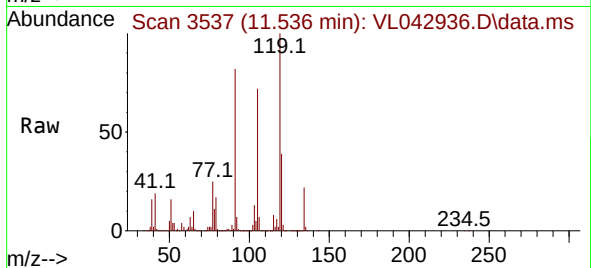
Tgt Ion:120 Resp: 280188
Ion Ratio Lower Upper
120 100
91 481.7 394.6 591.8





#65
tert-Butylbenzene
Concen: 18.437 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

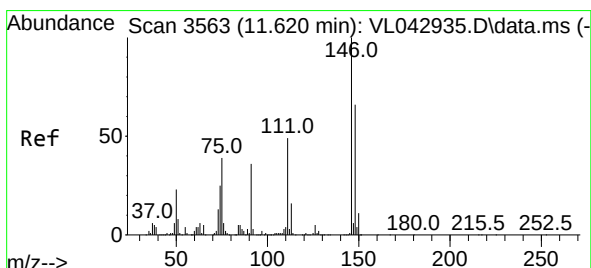
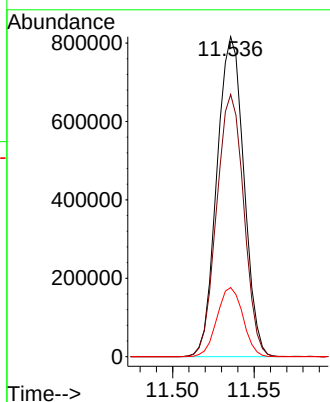
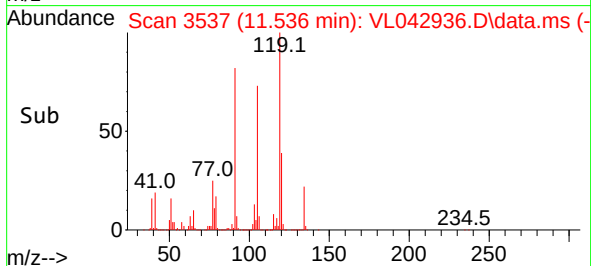
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



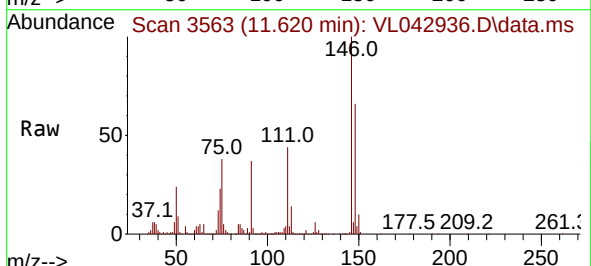
Tgt Ion: 119 Resp: 93932
Ion Ratio Lower Upper
119 100
91 82.6 66.0 99.0
134 20.8 16.8 25.2

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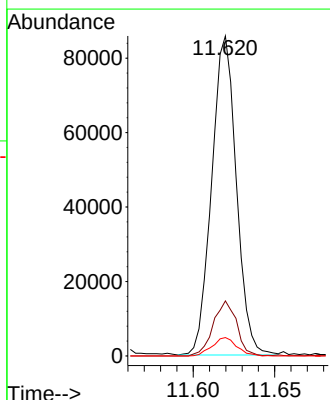
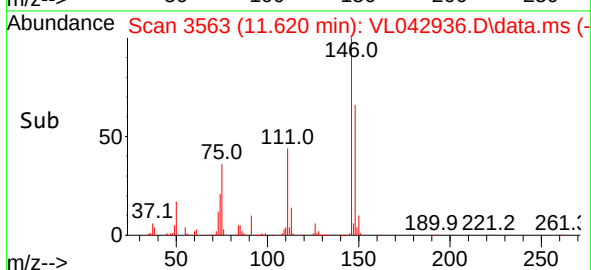
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

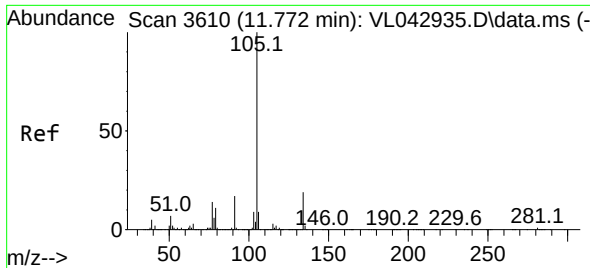


#66
Benzyl Chloride
Concen: 19.035 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17



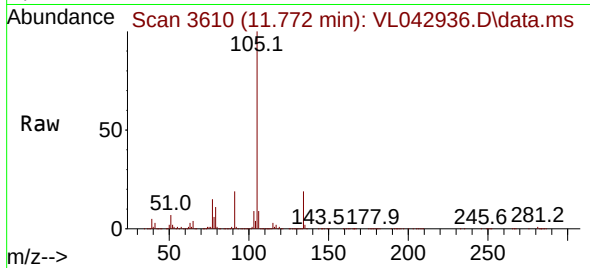
Tgt Ion: 91 Resp: 90114
Ion Ratio Lower Upper
91 100
126 16.7 13.9 20.9
128 5.8 4.9 7.3





#67
 sec-Butylbenzene
 Concen: 17.569 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.000 min
 Lab File: VL042936.D
 Acq: 17 Sep 2025 14:17

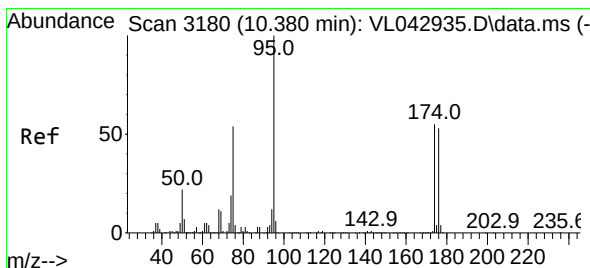
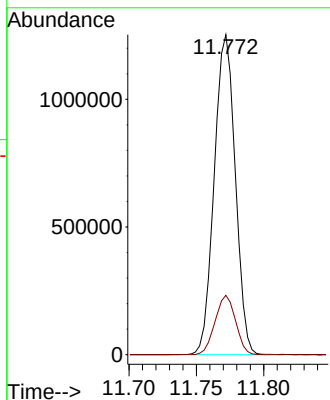
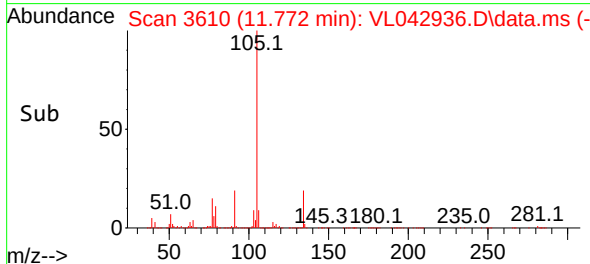
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



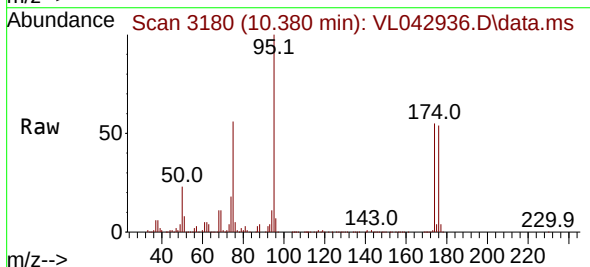
Tgt Ion: 105 Resp: 136180
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.3 21.5

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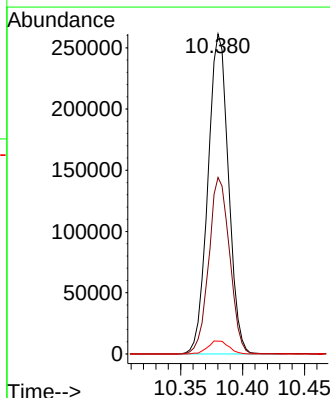
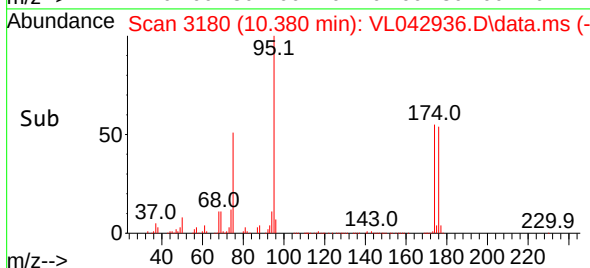
Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025

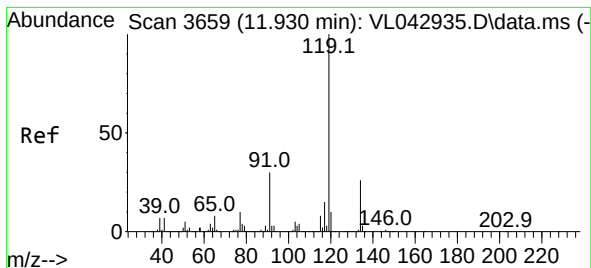


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.198 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.000 min
 Lab File: VL042936.D
 Acq: 17 Sep 2025 14:17



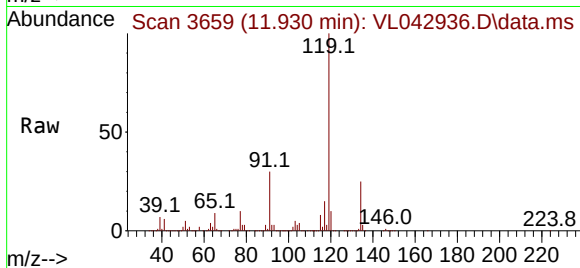
Tgt Ion: 95 Resp: 301418
 Ion Ratio Lower Upper
 95 100
 174 56.1 44.9 67.3
 175 4.2 3.3 4.9





#69
p-Isopropyltoluene
Concen: 18.588 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

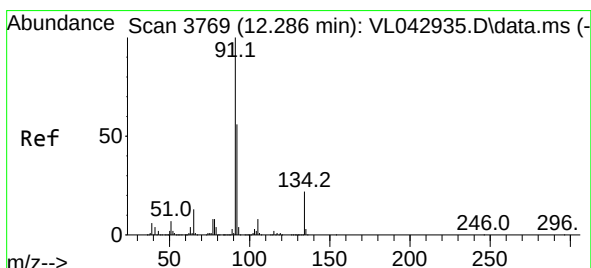
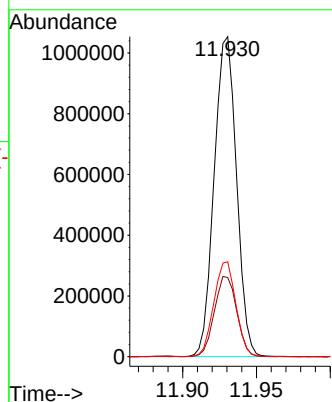
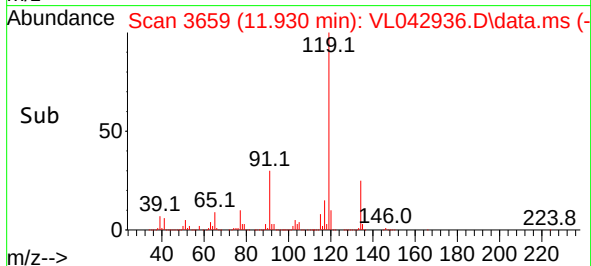
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



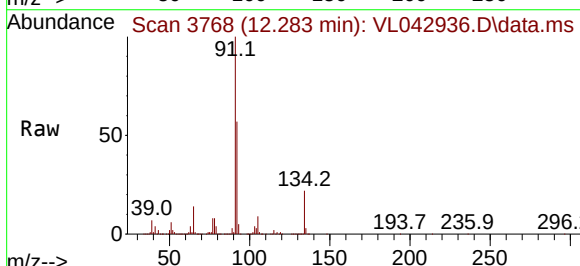
Tgt Ion: 119 Resp: 111032
Ion Ratio Lower Upper
119 100
134 25.3 20.5 30.7
91 29.5 23.2 34.8

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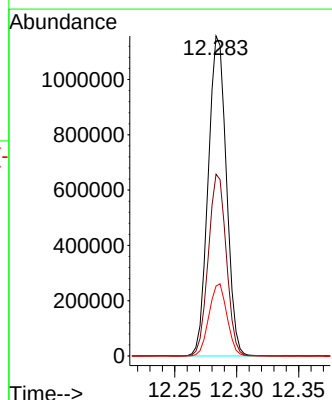
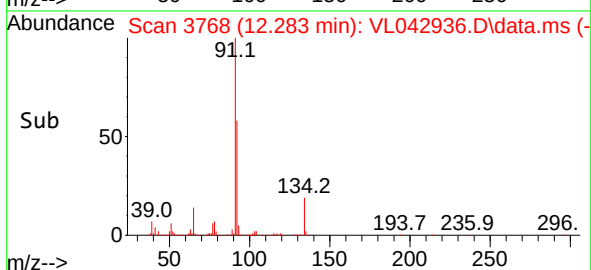
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

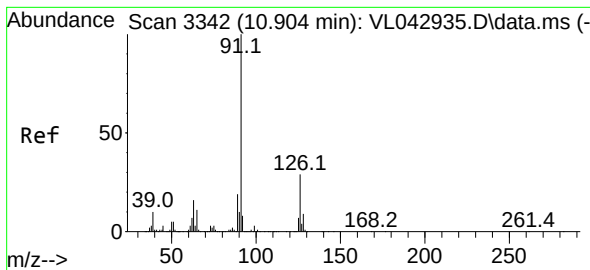


#70
n-Butylbenzene
Concen: 14.665 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17



Tgt Ion: 91 Resp: 1182368
Ion Ratio Lower Upper
91 100
92 56.2 43.8 65.8
134 22.3 17.3 25.9





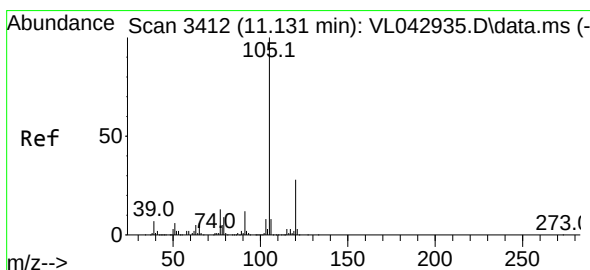
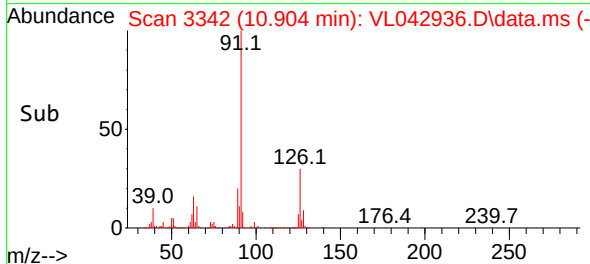
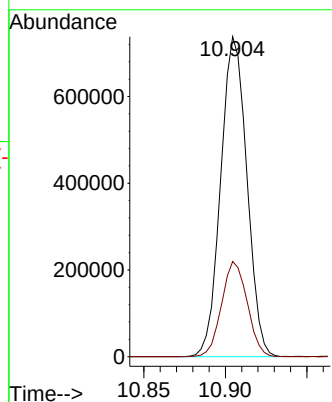
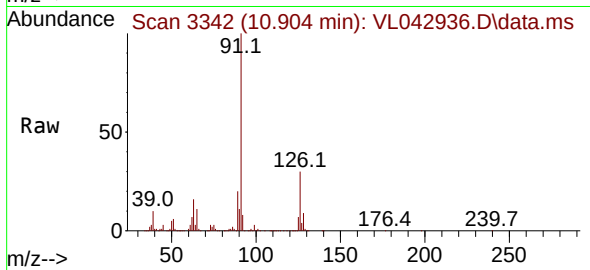
#71
2-Chlorotoluene
Concen: 18.604 ppbv
RT: 10.904 min Scan# 311
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 823050
Ion Ratio Lower Upper
91 100
126 29.1 11.5 45.9

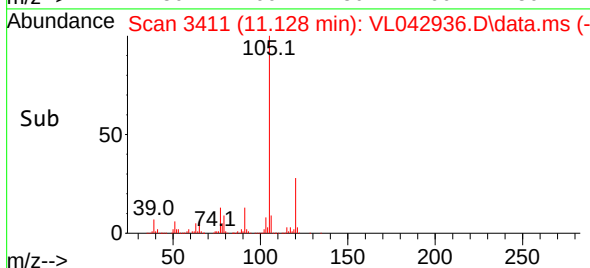
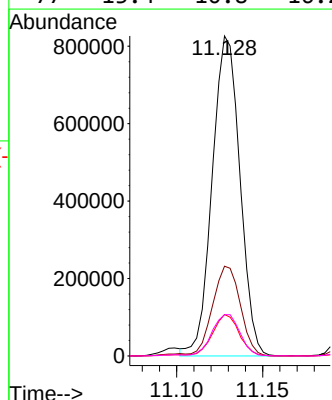
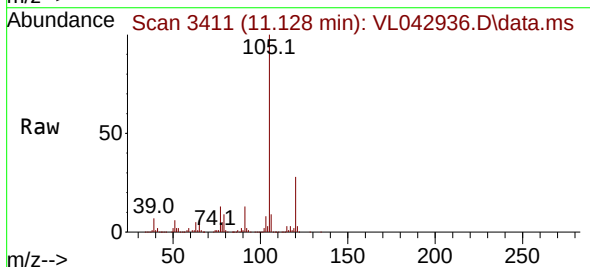
Manual Integrations
APPROVED

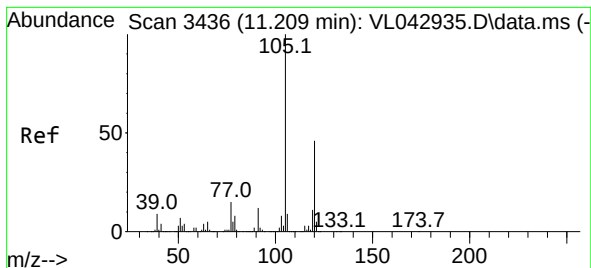
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#72
4-Ethyltoluene
Concen: 14.801 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

Tgt Ion:105 Resp: 926161
Ion Ratio Lower Upper
105 100
120 28.7 23.1 34.7
91 12.7 10.4 15.6
77 13.4 10.8 16.2





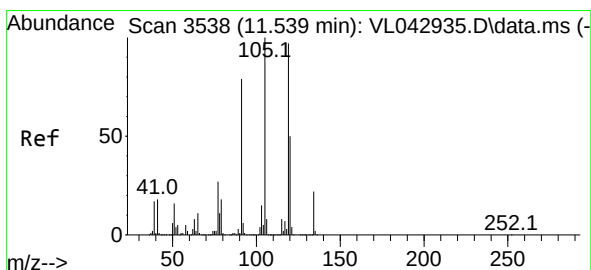
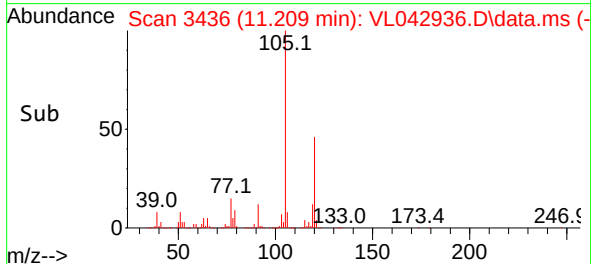
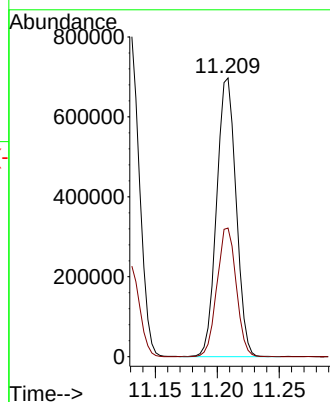
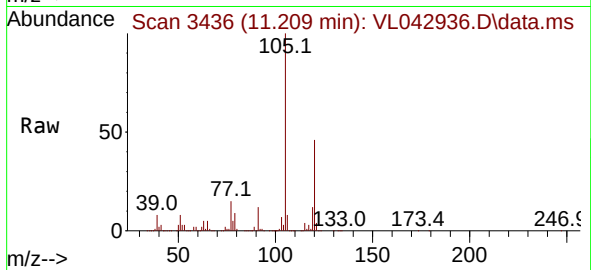
#73
1,3,5-Trimethylbenzene
Concen: 18.813 ppbv
RT: 11.209 min Scan# 3436
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 761800
Ion Ratio Lower Upper
105 100
120 46.2 37.0 55.6

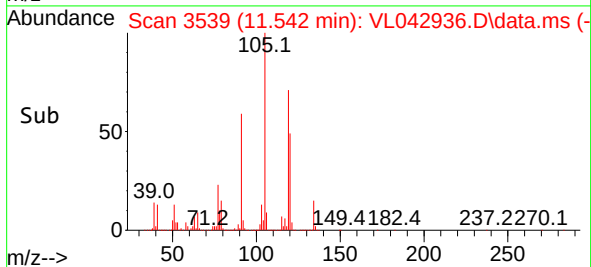
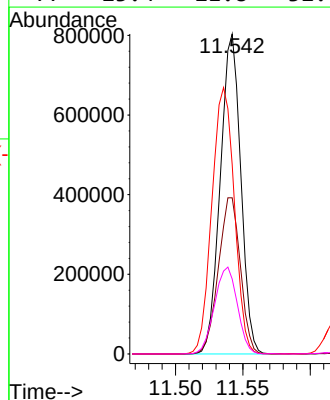
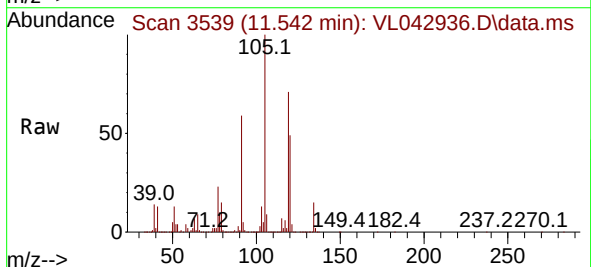
Manual Integrations
APPROVED

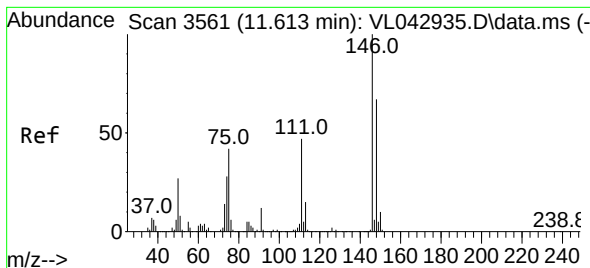
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#74
1,2,4-Trimethylbenzene
Concen: 17.853 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

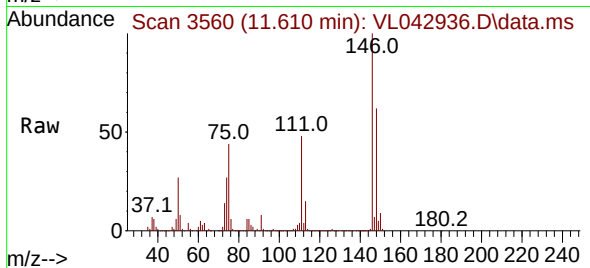
Tgt Ion:105 Resp: 849558
Ion Ratio Lower Upper
105 100
120 48.8 39.8 59.6
91 59.1 63.1 94.7#
77 23.4 21.8 32.6





#75
1,3-Dichlorobenzene
Concen: 16.291 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

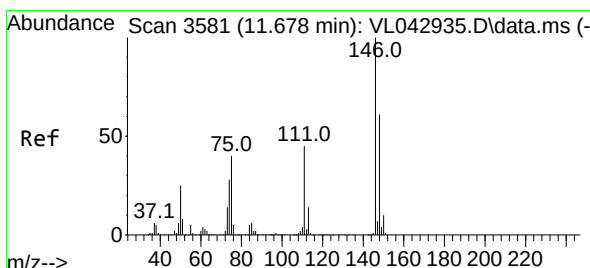
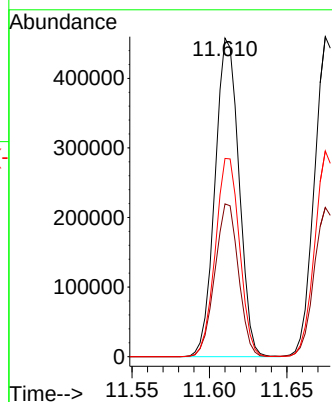
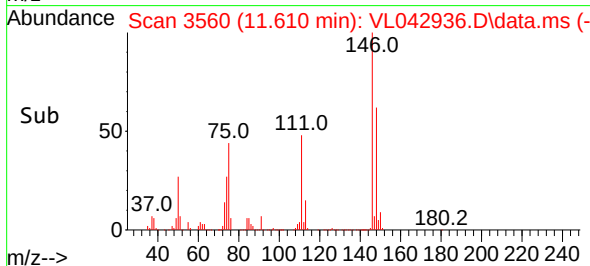
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



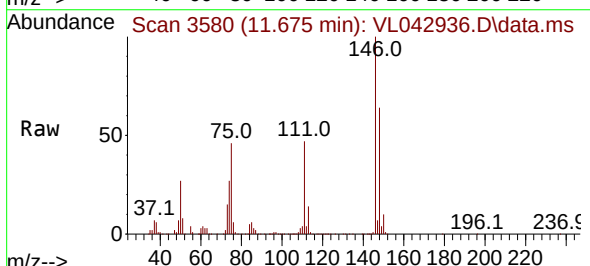
Tgt Ion:146 Resp: 491485
Ion Ratio Lower Upper
146 100
111 47.4 24.1 72.2
148 62.8 31.8 95.3

Manual Integrations
APPROVED

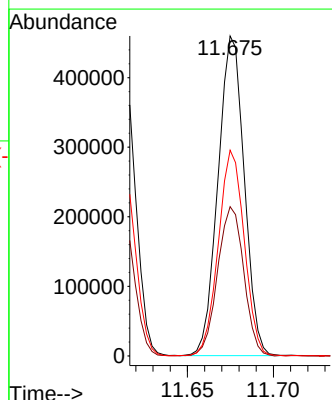
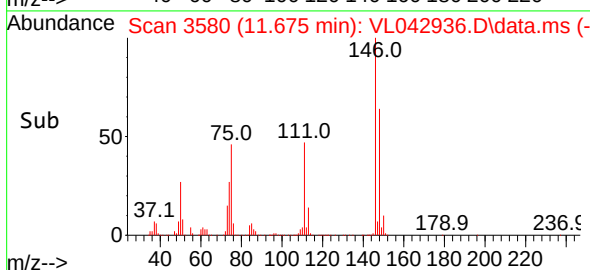
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

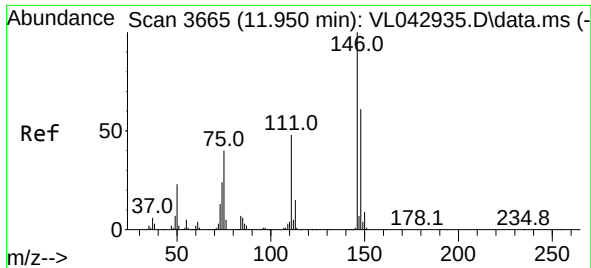


#76
1,4-Dichlorobenzene
Concen: 16.805 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17



Tgt Ion:146 Resp: 487745
Ion Ratio Lower Upper
146 100
111 46.7 23.0 69.0
148 63.8 31.8 95.4





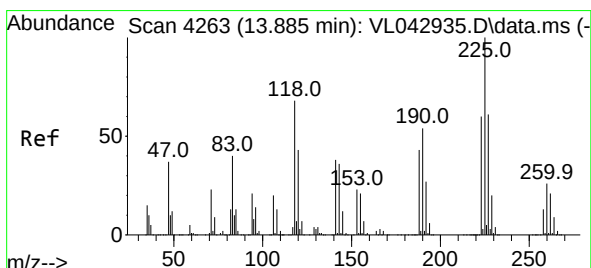
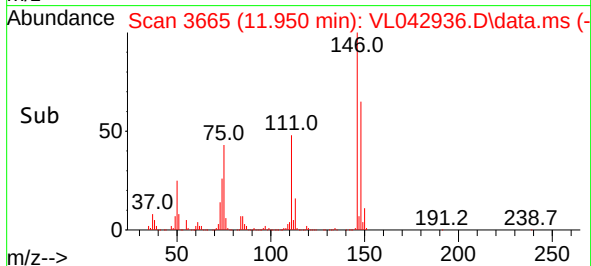
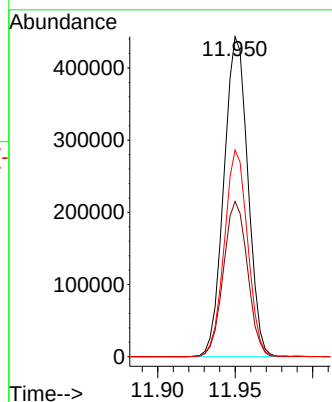
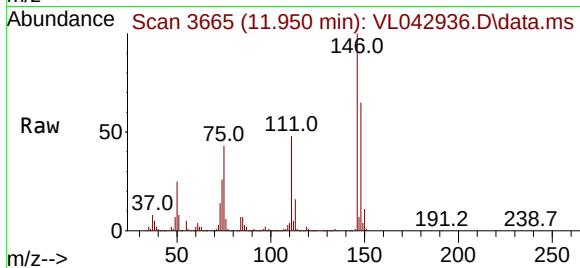
#77
1,2-Dichlorobenzene
Concen: 15.641 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.000 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 476080
Ion Ratio Lower Upper
146 100
111 48.9 24.6 73.8
148 63.2 31.4 94.2

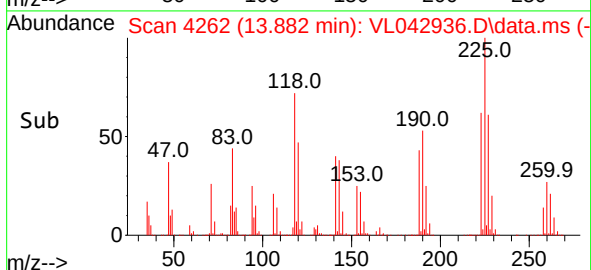
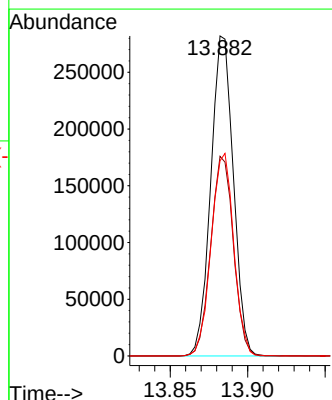
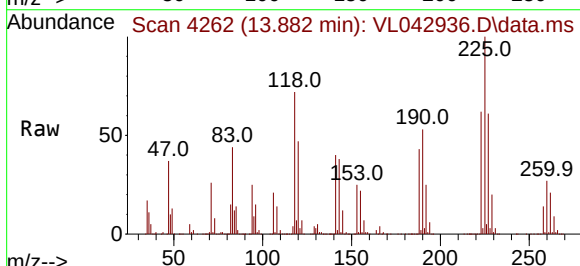
Manual Integrations
APPROVED

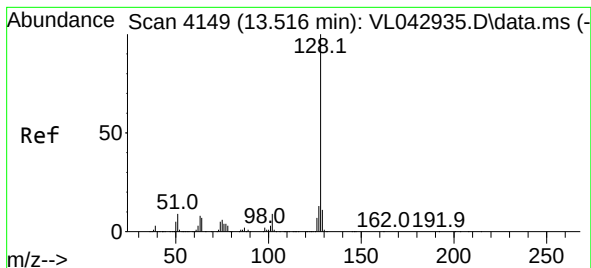
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#78
Hexachloro-1,3-Butadiene
Concen: 14.702 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042936.D
Acq: 17 Sep 2025 14:17

Tgt Ion:225 Resp: 285795
Ion Ratio Lower Upper
225 100
223 62.6 50.6 76.0
227 63.3 50.5 75.7





#79

Naphthalene

Concen: 14.938 ppbv

RT: 13.516 min Scan# 4149

Delta R.T. 0.000 min

Lab File: VL042936.D

Acq: 17 Sep 2025 14:17

Instrument :

MSVOA_L

ClientSampleId :

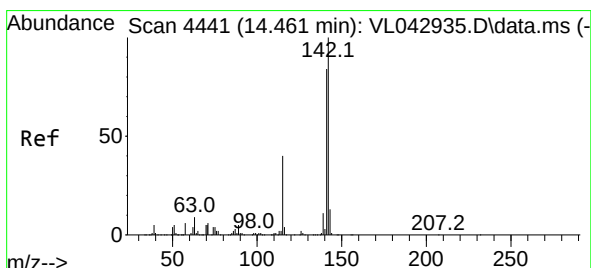
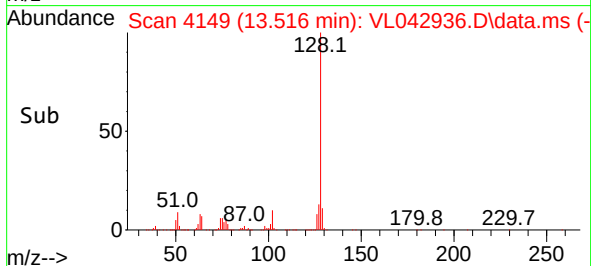
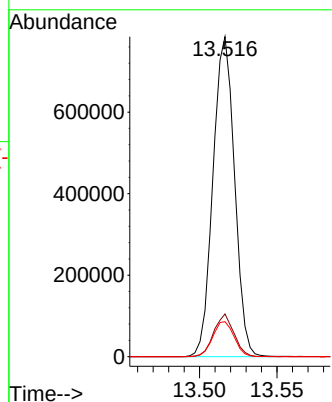
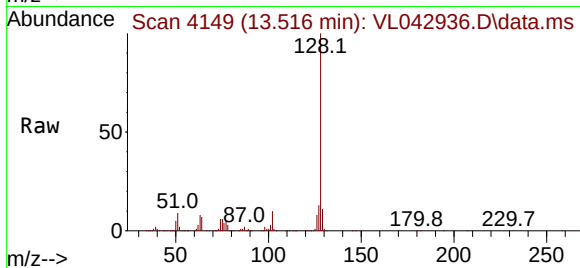
VSTDIC015

Tgt Ion:	128	Resp:	758929
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.3	15.5
129	11.0	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: 15.635 ppbv

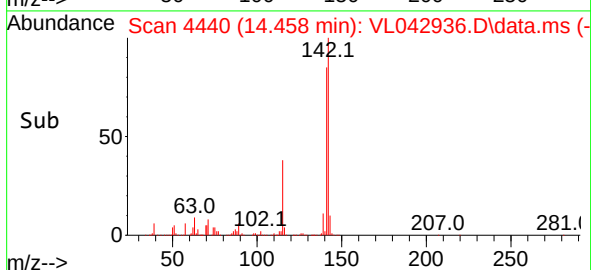
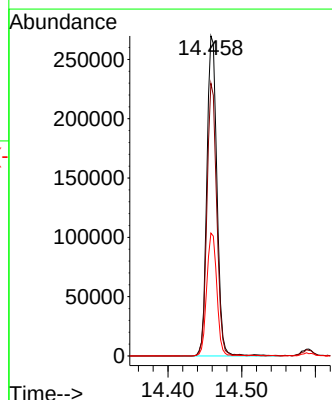
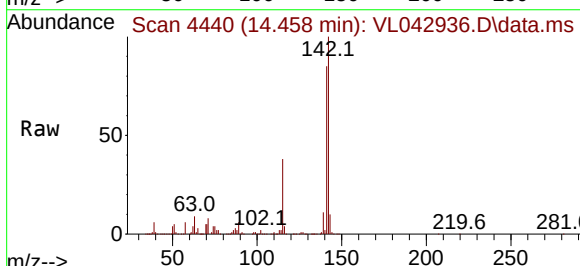
RT: 14.458 min Scan# 4440

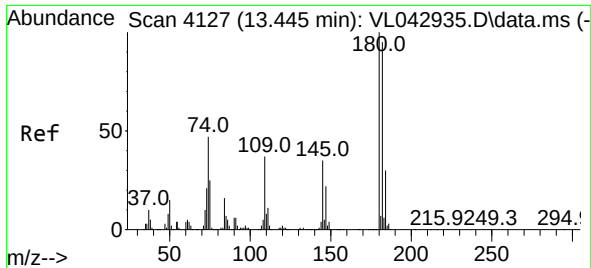
Delta R.T. -0.003 min

Lab File: VL042936.D

Acq: 17 Sep 2025 14:17

Tgt Ion:	142	Resp:	254607
Ion Ratio	Lower	Upper	
142	100		
141	83.2	67.0	100.6
115	38.7	32.0	48.0





#81

1,2,4-Trichlorobenzene

Concen: 15.017 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042936.D

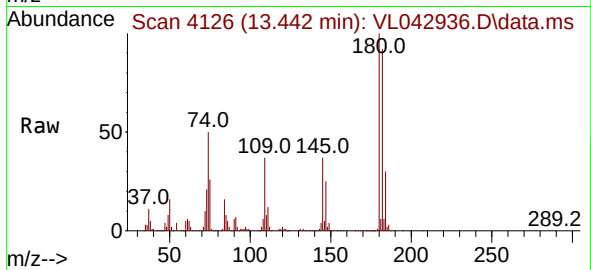
Acq: 17 Sep 2025 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 365929

Ion Ratio Lower Upper

180 100

182 93.7 75.5 113.3

184 30.1 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025

