

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042175.D
 Acq On : 27 Mar 2025 10:01
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 01:34:42 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 01:31:23 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	180502	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	523832	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	485078	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 403513 10.130 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	14455	0.542	ppbv	95
3) Chlorodifluoromethane	1.473	51	14637	0.538	ppbv #	89
4) Chloromethane	1.531	50	5956	0.547	ppbv	94
5) Vinyl Chloride	1.577	62	5732	0.516	ppbv	92
6) Bromomethane	1.664	94	2949	0.597	ppbv	95
7) Chloroethane	1.703	64	2582	0.591	ppbv #	87
8) Dichlorotetrafluoroethane	1.551	85	11783	0.519	ppbv	98
9) Propene	1.483	41	6622m	0.540	ppbv	
10) Heptane	4.972	43	16673	0.502	ppbv	89
11) Trichlorofluoromethane	1.874	101	14099	0.544	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.136	101	11252	0.528	ppbv	99
13) Ethanol	1.722	45	997	1.038	ppbv #	36
14) Bromoethene	1.780	108	4770	0.584	ppbv #	86
15) Acetone	1.835	43	15331	0.607	ppbv #	85
16) 1,3-Butadiene	1.606	39	8594	0.757	ppbv	82
17) tert-Butyl alcohol	2.039	59	17467	0.556	ppbv	97
18) 1,1-Dichloroethene	2.030	96	5634	0.565	ppbv #	92
19) Isopropyl Alcohol	1.884	45	9171	0.644	ppbv #	39
20) Methylene Chloride	2.059	84	5634	0.599	ppbv #	93
21) Allyl Chloride	2.091	41	9632	0.541	ppbv	89
22) trans-1,2-Dichloroethene	2.334	96	6353	0.546	ppbv	83
23) Vinyl Acetate	2.457	43	6809	0.649	ppbv #	91
24) 1,1-Dichloroethane	2.405	63	11258	0.527	ppbv	97
25) Ethyl Acetate	2.836	43	36258	0.553	ppbv	98
26) Hexane	2.823	57	13605	0.538	ppbv	92
27) Carbon Disulfide	2.146	76	14510	0.535	ppbv #	1
28) Methyl tert-Butyl Ether	2.437	73	8310	0.527	ppbv #	89
29) Chloroform	2.845	83	20149	0.544	ppbv	98
30) Cyclohexane	3.852	84	12063m	0.549	ppbv	
31) cis-1,2-Dichloroethene	2.719	61	13601	0.529	ppbv	92
32) 1,1,1-Trichloroethane	3.360	97	20567	0.485	ppbv	100
34) 2-Butanone	2.557	43	19739	0.520	ppbv	96
35) Carbon Tetrachloride	3.755	117	18558	0.460	ppbv	93
36) Benzene	3.651	78	27488	0.529	ppbv #	87
37) 1,2-Dichloroethane	3.214	62	16062	0.540	ppbv	100
38) Trichloroethene	4.538	130	11460m	0.529	ppbv	
39) 1,2-Dichloropropane	4.308	63	10123	0.535	ppbv	92
40) 1,4-Dioxane	4.593	88	6121m	0.624	ppbv	
41) Tetrahydrofuran	3.059	42	11509m	0.533	ppbv	
42) Bromodichloromethane	4.483	83	20374	0.497	ppbv #	98
43) Methyl Methacrylate	4.875	69	11583m	0.528	ppbv	
44) 2,2,4-Trimethylpentane	4.632	57	46646	0.532	ppbv	95
45) t-1,3-Dichloropropene	6.406	75	12404	0.526	ppbv #	79

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Manual Integrations
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Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 01:34:42 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 01:31:23 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	14374m	0.497	ppbv	
47) 1,1,2-Trichloroethane	6.574	97	10972m	0.549	ppbv	
48) Dibromochloromethane	7.380	129	17042	0.503	ppbv	99
49) Bromoform	9.480	173	14828	0.487	ppbv	98
50) 4-Methyl-2-Pentanone	5.758	43	33674	0.559	ppbv	97
51) 2-Hexanone	7.438	43	26154	0.523	ppbv #	100
52) Tetrachloroethene	8.218	164	10502	0.510	ppbv	94
53) Toluene	6.923	91	32444	0.527	ppbv	98
54) 1,2-Dibromoethane	7.648	107	14220	0.510	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.920	131	13959	0.523	ppbv #	1
57) Chlorobenzene	8.914	112	24826	0.540	ppbv #	91
58) Ethyl Benzene	9.348	91	44862	0.521	ppbv	96
59) m/p-Xylene	9.542	91	73028m	1.060	ppbv	
60) o-Xylene	9.959	91	36879	0.535	ppbv	98
61) Styrene	9.866	104	17198	0.504	ppbv	96
62) Isopropylbenzene	10.536	105	55531	0.538	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	21989	0.525	ppbv	96
64) n-propylbenzene	10.985	120	14030	0.528	ppbv	95
65) tert-Butylbenzene	11.526	119	53115	0.557	ppbv	100
66) Benzyl Chloride	11.613	91	5263	0.520	ppbv	97
67) sec-Butylbenzene	11.762	105	72879	0.550	ppbv	98
69) p-Isopropyltoluene	11.921	119	61933	0.542	ppbv	100
70) n-Butylbenzene	12.277	91	61507	0.527	ppbv	99
71) 2-Chlorotoluene	10.895	91	41637	0.520	ppbv	95
72) 4-Ethyltoluene	11.121	105	44473	0.518	ppbv #	94
73) 1,3,5-Trimethylbenzene	11.199	105	39190	0.523	ppbv	97
74) 1,2,4-Trimethylbenzene	11.532	105	48370	0.560	ppbv	97
75) 1,3-Dichlorobenzene	11.600	146	25122	0.530	ppbv	100
76) 1,4-Dichlorobenzene	11.668	146	24991	0.530	ppbv	97
77) 1,2-Dichlorobenzene	11.943	146	24548	0.532	ppbv	96
78) Hexachloro-1,3-Butadiene	13.879	225	25636	0.546	ppbv	99
79) Naphthalene	13.510	128	47990	0.508	ppbv	95
80) Naphthalene,2-methyl-	14.458	142	17486	0.380	ppbv	98
81) 1,2,4-Trichlorobenzene	13.436	180	19924	0.457	ppbv	97

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

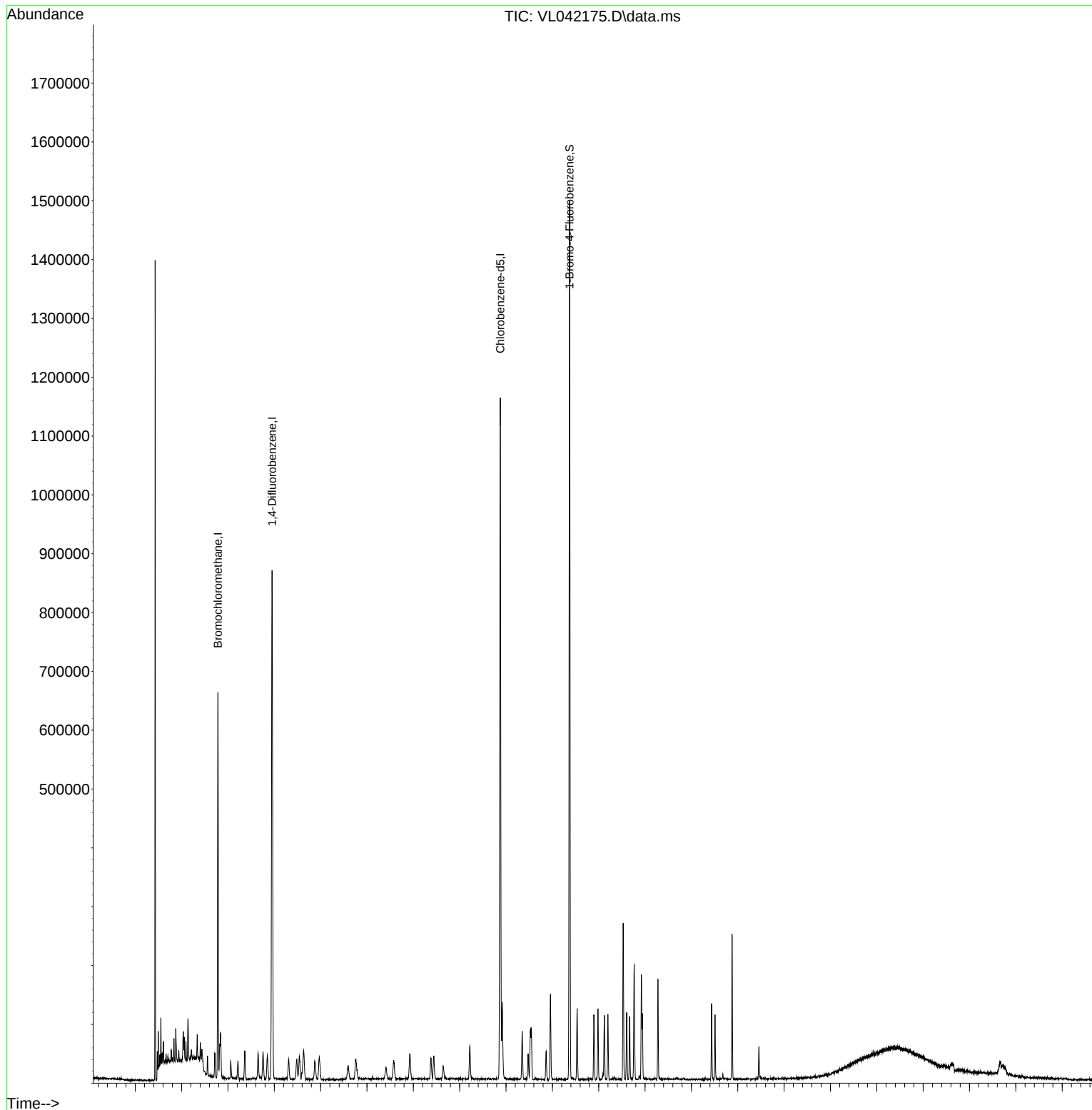
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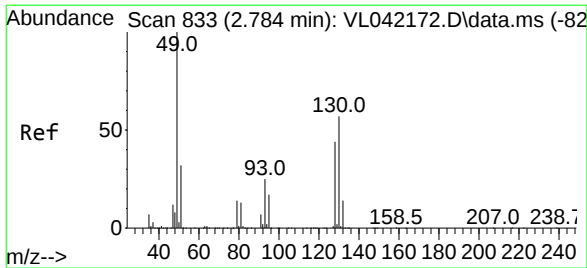
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

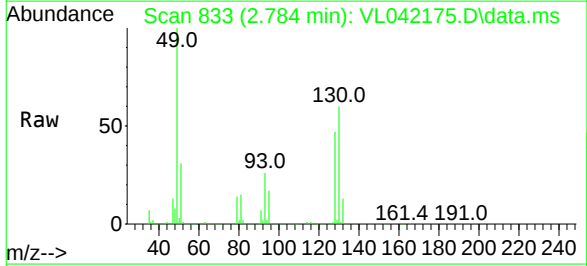
Quant Time: Mar 28 01:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

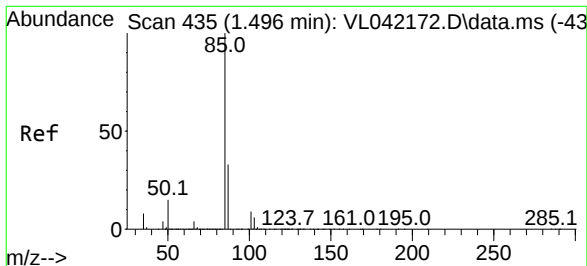
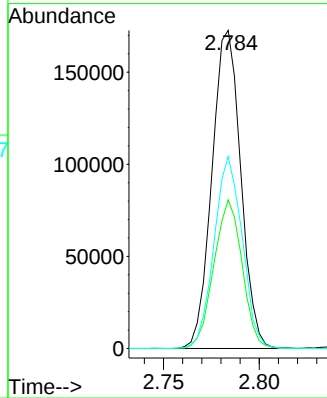
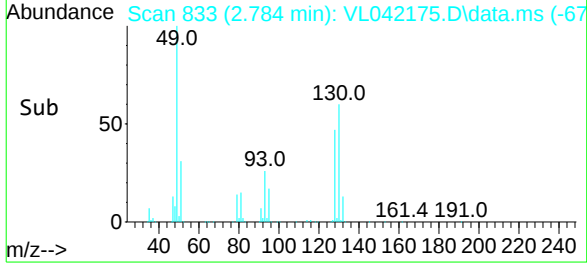
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



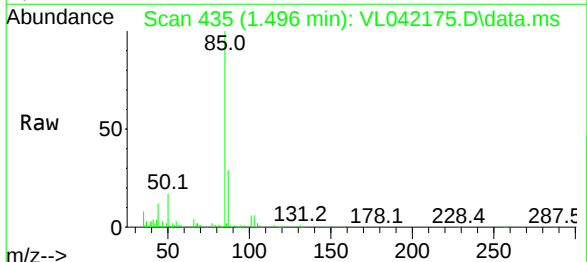
Tgt Ion: 49 Resp: 180502
Ion Ratio Lower Upper
49 100
128 46.1 22.9 68.5
130 59.2 28.8 86.4

Manual Integrations
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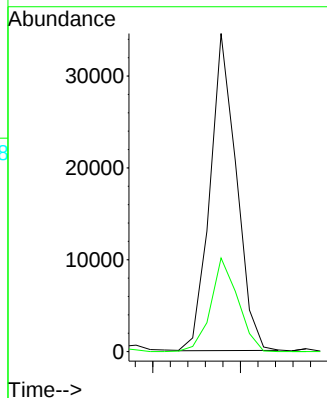
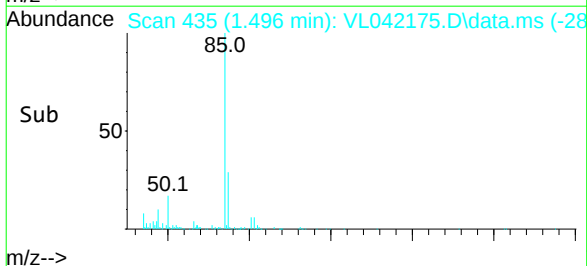
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

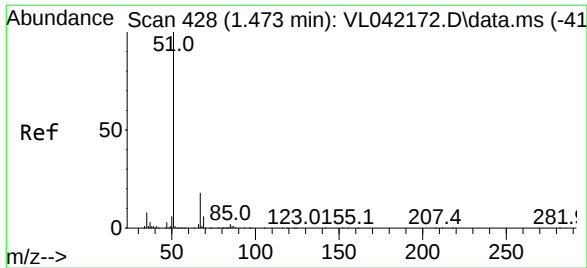


#2
Dichlorodifluoromethane
Concen: 0.542 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01



Tgt Ion: 85 Resp: 14455
Ion Ratio Lower Upper
85 100
87 29.5 26.1 39.1





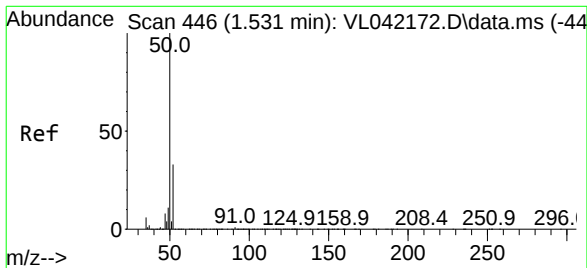
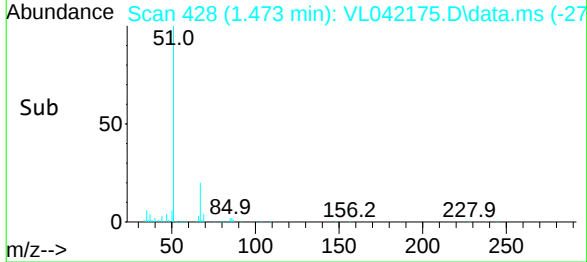
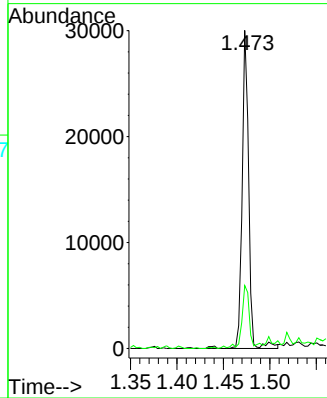
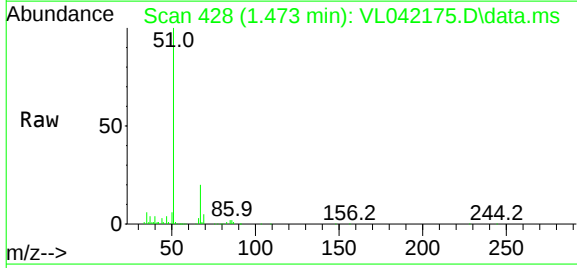
#3
Chlorodifluoromethane
Concen: 0.538 ppbv
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 51 Resp: 14637
Ion Ratio Lower Upper
51 100
67 23.6 15.0 22.6#

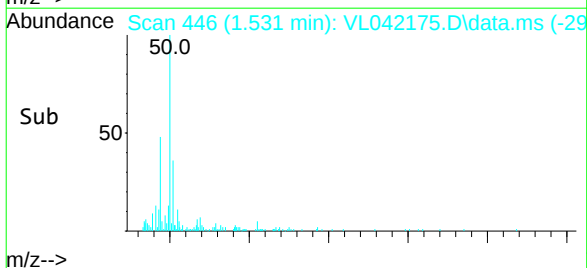
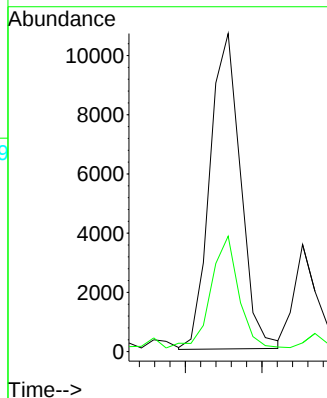
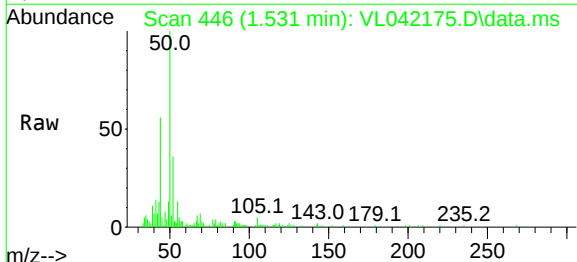
Manual Integrations
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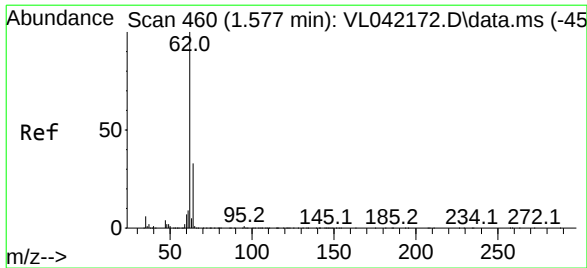
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#4
Chloromethane
Concen: 0.547 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 50 Resp: 5956
Ion Ratio Lower Upper
50 100
52 36.1 26.1 39.1





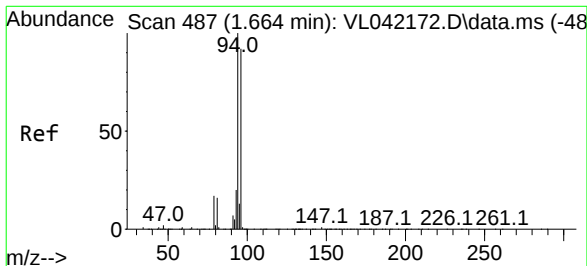
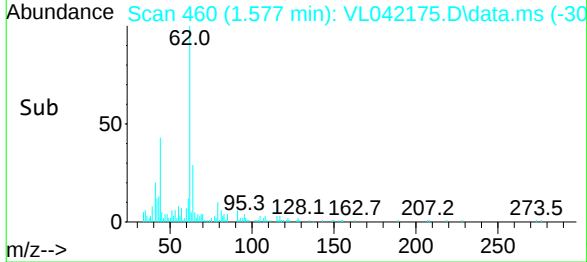
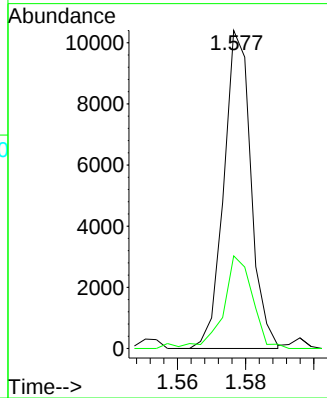
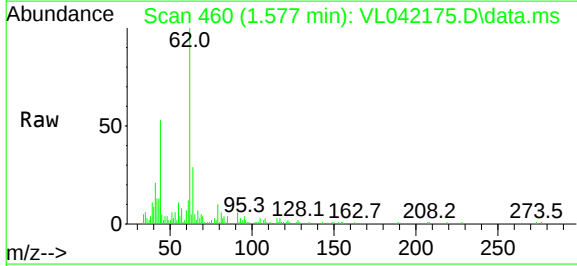
#5
 Vinyl Chloride
 Concen: 0.516 ppbv
 RT: 1.577 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL042175.D
 Acq: 27 Mar 2025 10:01

Instrument : MSVOA_1
 ClientSampleId : VSTDIC0.5

Tgt Ion: 62 Resp: 5732
 Ion Ratio Lower Upper
 62 100
 64 28.5 26.6 40.0

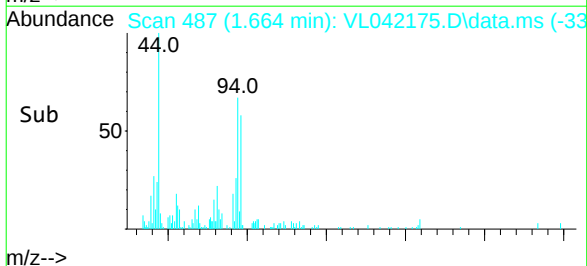
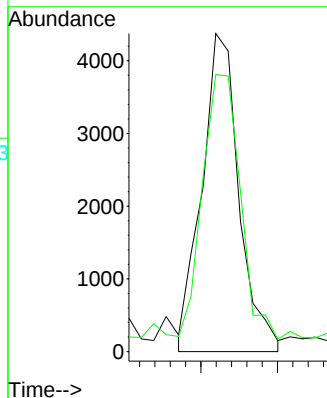
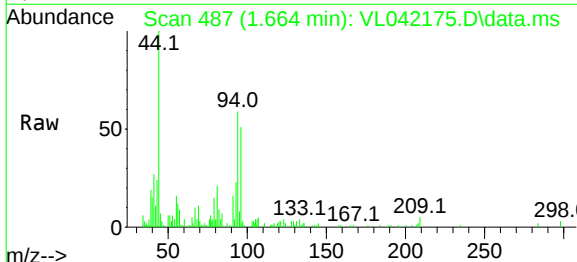
Manual Integrations
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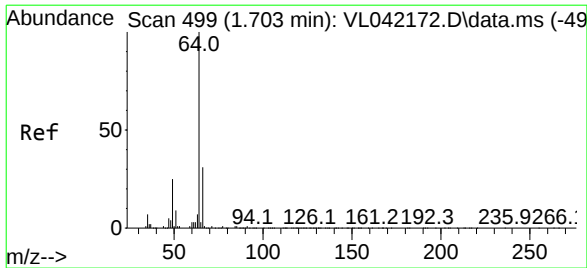
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#6
 Bromomethane
 Concen: 0.597 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.000 min
 Lab File: VL042175.D
 Acq: 27 Mar 2025 10:01

Tgt Ion: 94 Resp: 2949
 Ion Ratio Lower Upper
 94 100
 96 86.2 73.1 109.7





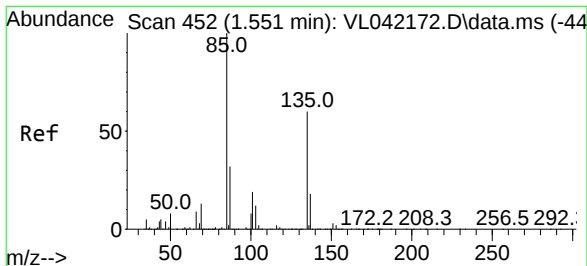
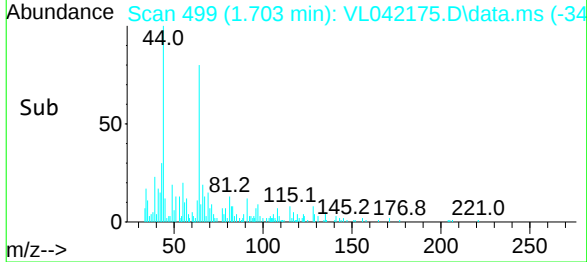
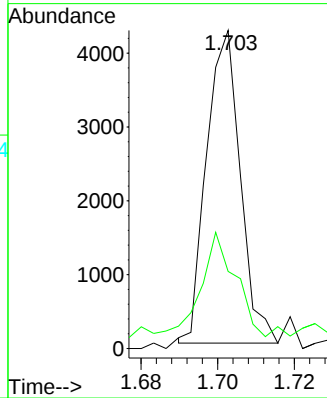
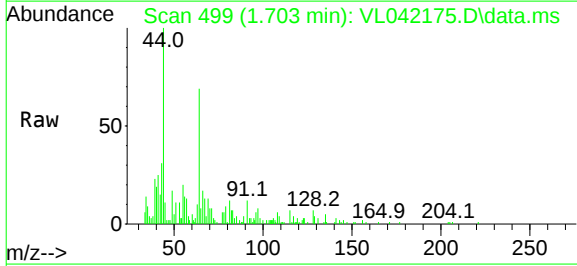
#7
Chloroethane
Concen: 0.591 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

Tgt Ion: 64 Resp: 2582
Ion Ratio Lower Upper
64 100
66 24.2 25.2 37.8#

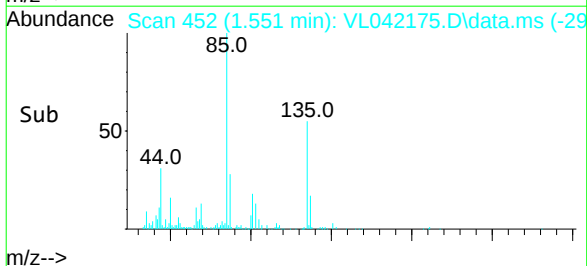
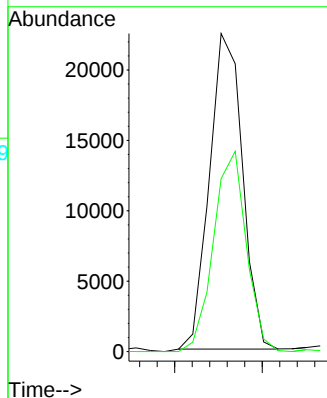
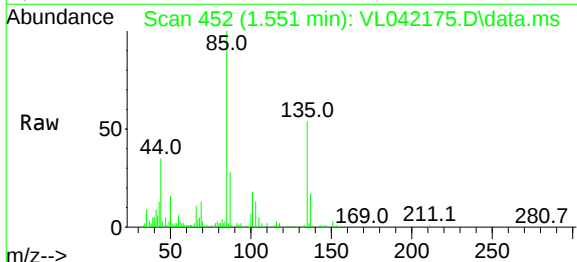
Manual Integrations
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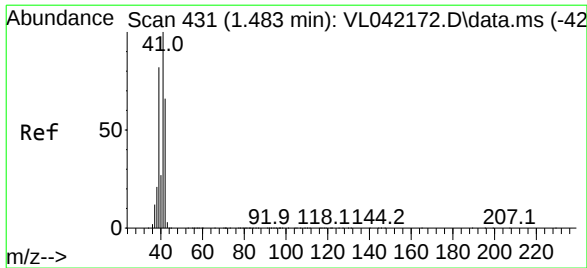
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#8
Dichlorotetrafluoroethane
Concen: 0.519 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

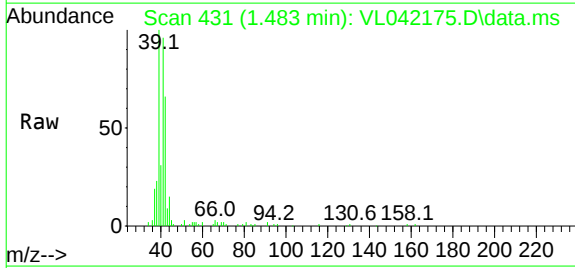
Tgt Ion: 85 Resp: 11783
Ion Ratio Lower Upper
85 100
135 63.7 52.4 78.6





#9
 Propene
 Concen: 0.540 ppbv m
 RT: 1.483 min Scan# 431
 Delta R.T. -0.000 min
 Lab File: VL042175.D
 Acq: 27 Mar 2025 10:01

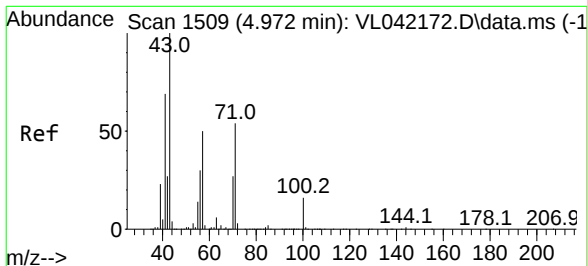
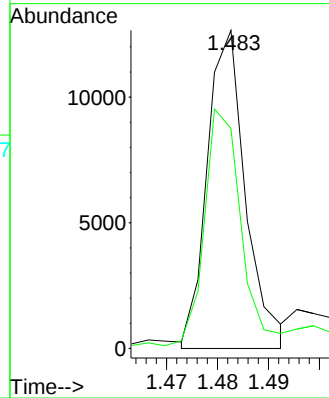
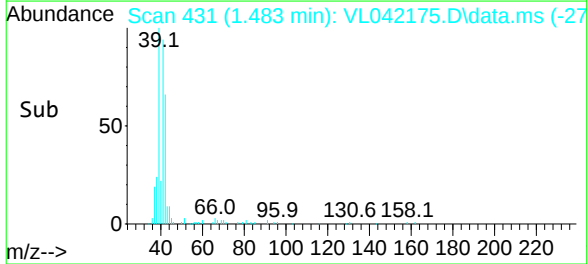
Instrument : MSVOA_L
 ClientSampleId : VSTDIC0.5



Tgt Ion: 41 Resp: 6622
 Ion Ratio Lower Upper
 41 100
 42 19.5 55.4 83.2#

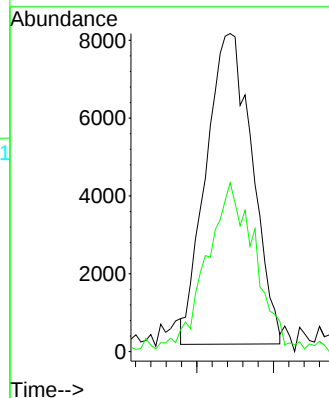
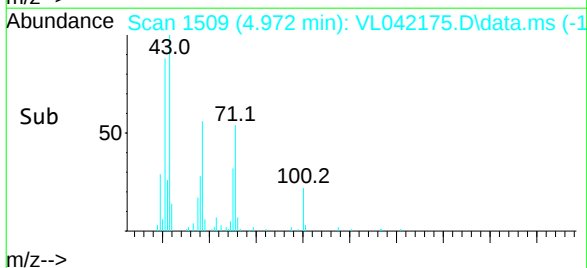
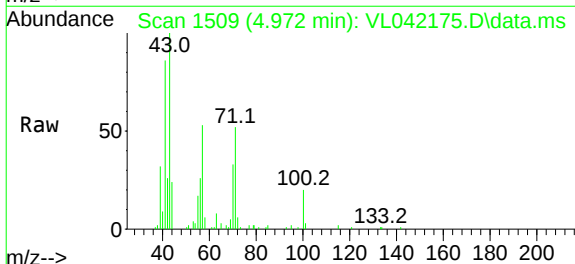
Manual Integrations
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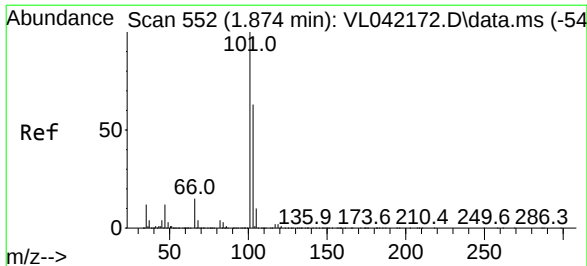
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#10
 Heptane
 Concen: 0.502 ppbv
 RT: 4.972 min Scan# 1509
 Delta R.T. -0.000 min
 Lab File: VL042175.D
 Acq: 27 Mar 2025 10:01

Tgt Ion: 43 Resp: 16673
 Ion Ratio Lower Upper
 43 100
 57 57.0 39.4 59.2





#11

Trichlorofluoromethane

Concen: 0.544 ppbv

RT: 1.874 min Scan# 552

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:101 Resp: 14099

Ion Ratio Lower Upper

101 100

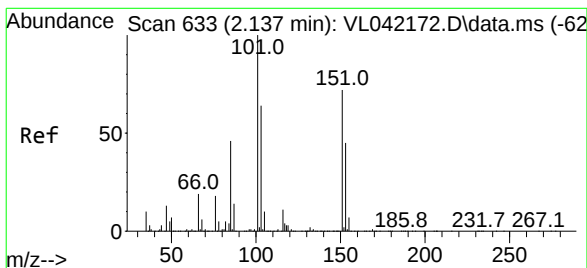
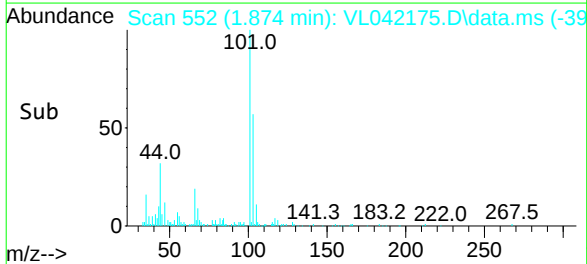
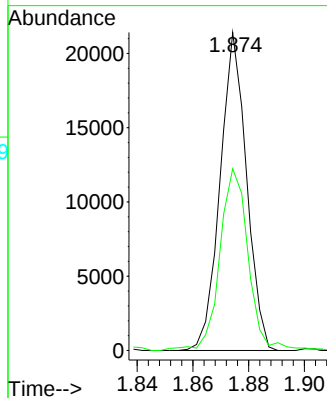
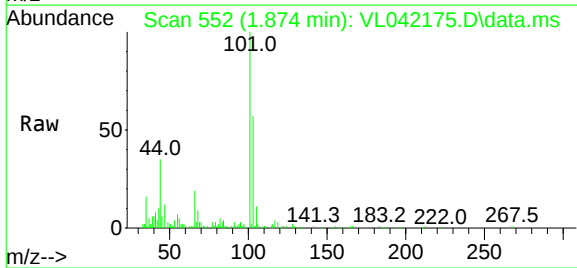
103 56.3 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.528 ppbv

RT: 2.136 min Scan# 633

Delta R.T. -0.000 min

Lab File: VL042175.D

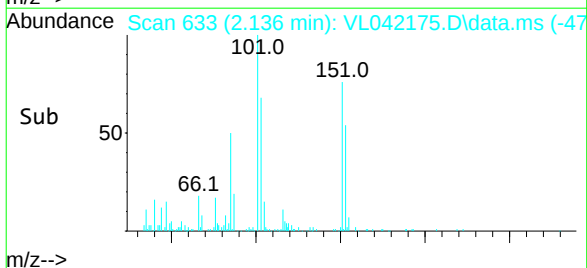
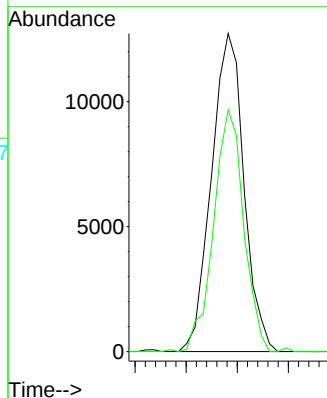
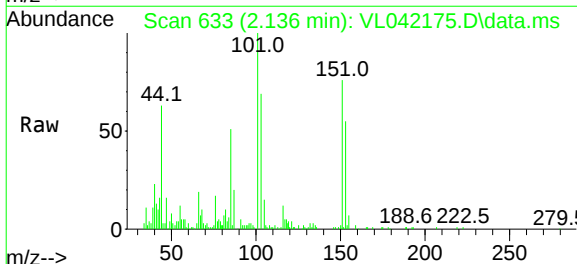
Acq: 27 Mar 2025 10:01

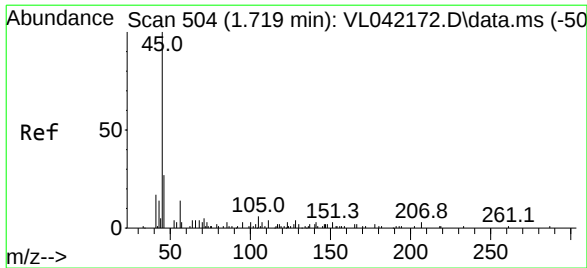
Tgt Ion:101 Resp: 11252

Ion Ratio Lower Upper

101 100

151 70.6 57.1 85.7





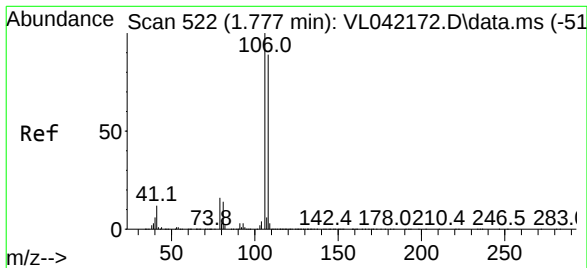
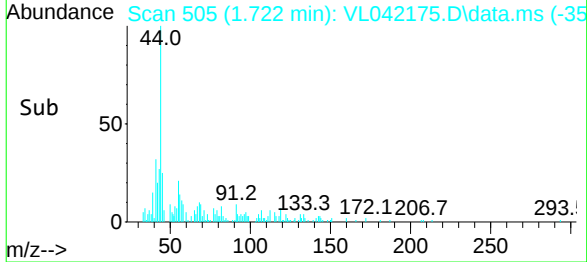
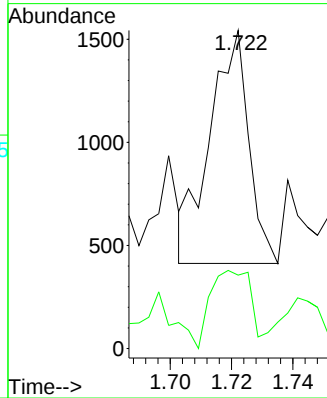
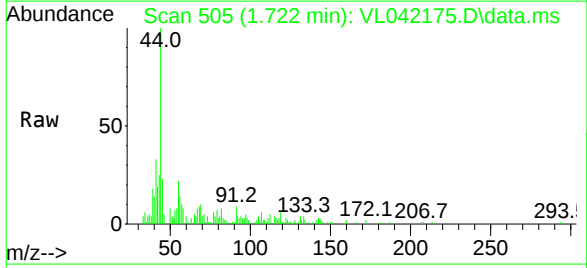
#13
Ethanol
Concen: 1.038 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 997
Ion Ratio Lower Upper
45 100
46 94.5 20.2 80.8#

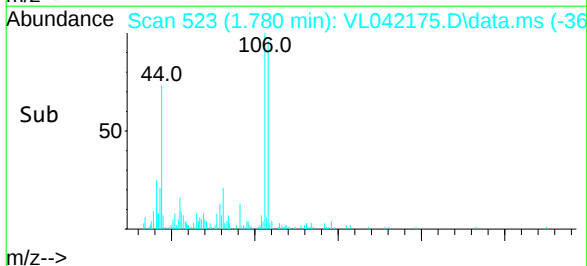
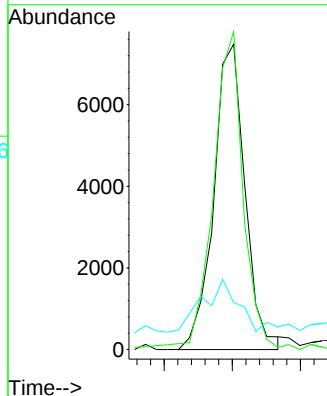
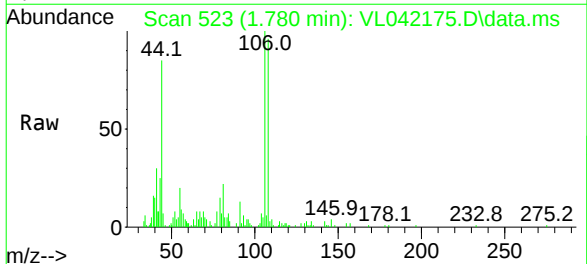
Manual Integrations
APPROVED

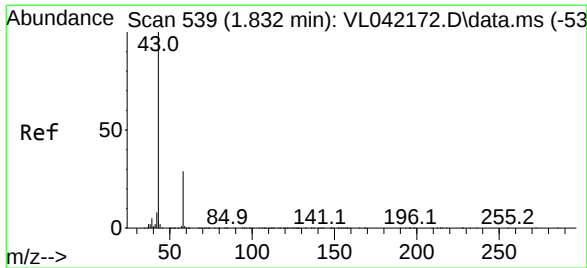
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#14
Bromoethene
Concen: 0.584 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:108 Resp: 4770
Ion Ratio Lower Upper
108 100
106 101.3 86.8 130.2
79 42.6 15.0 22.6#





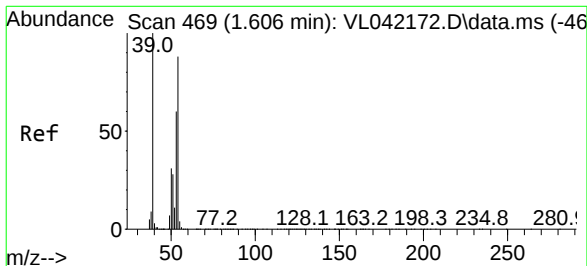
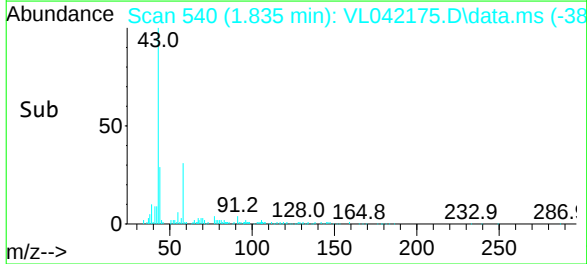
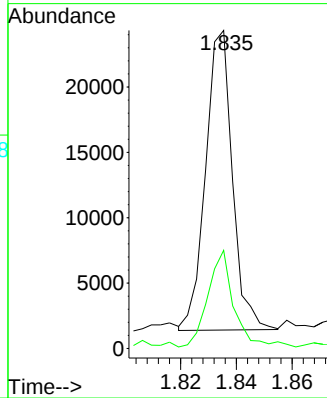
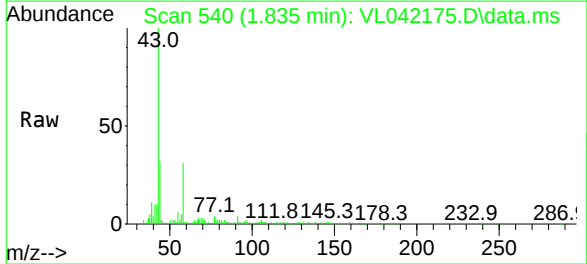
#15
Acetone
Concen: 0.607 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 15331
Ion Ratio Lower Upper
43 100
58 37.1 23.2 34.8#

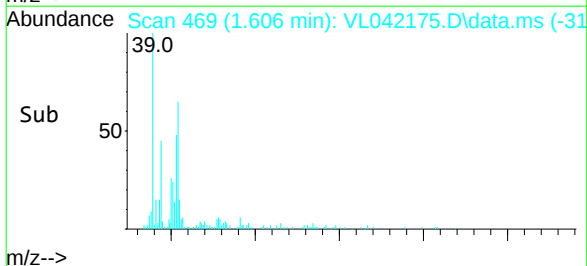
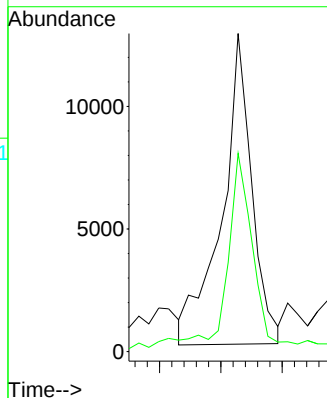
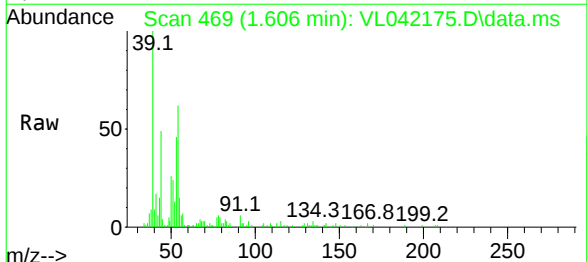
Manual Integrations
APPROVED

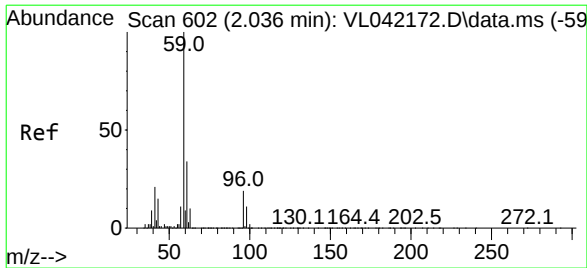
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#16
1,3-Butadiene
Concen: 0.757 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 39 Resp: 8594
Ion Ratio Lower Upper
39 100
54 60.7 60.7 91.1





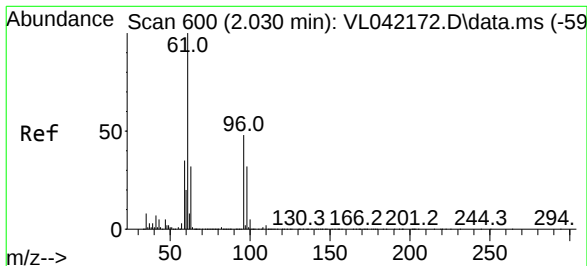
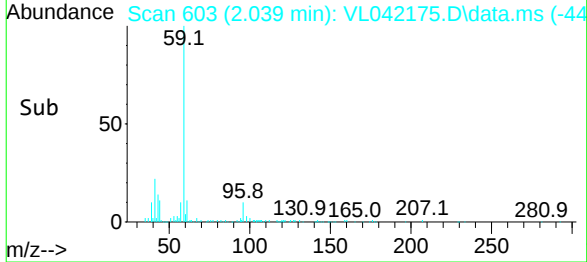
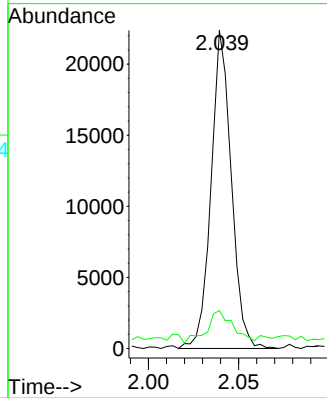
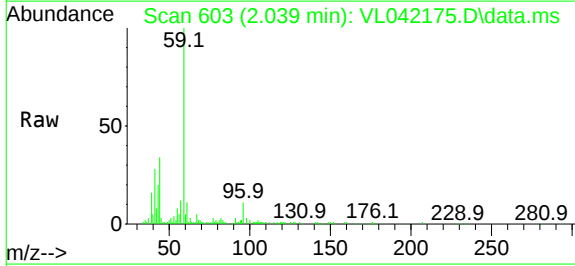
#17
tert-Butyl alcohol
Concen: 0.556 ppbv
RT: 2.039 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 17467
Ion Ratio Lower Upper
59 100
57 12.1 8.9 13.3

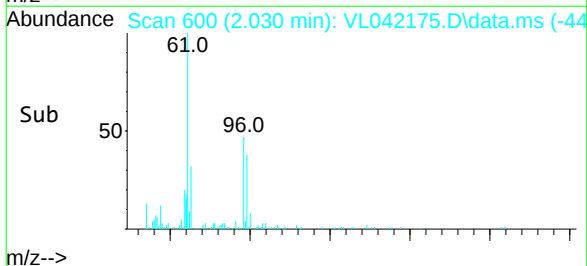
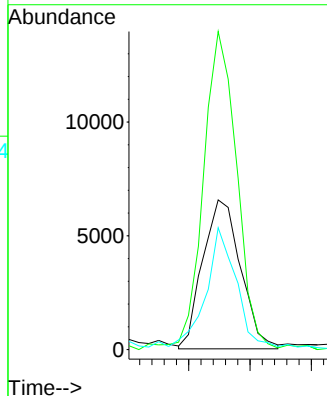
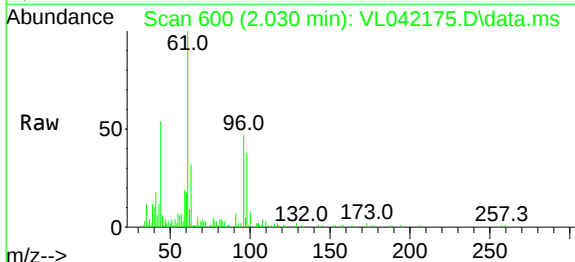
Manual Integrations
APPROVED

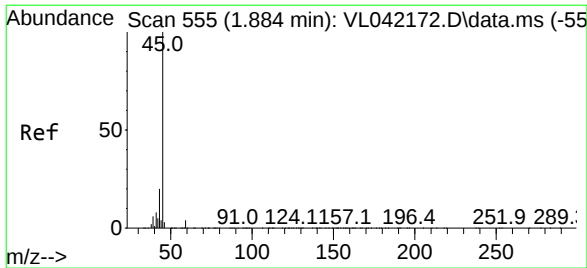
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#18
1,1-Dichloroethene
Concen: 0.565 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 96 Resp: 5634
Ion Ratio Lower Upper
96 100
61 216.6 167.6 251.4
98 81.2 53.5 80.3#





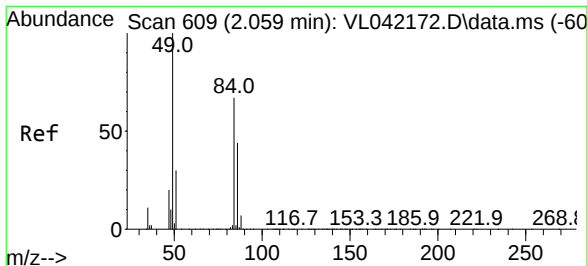
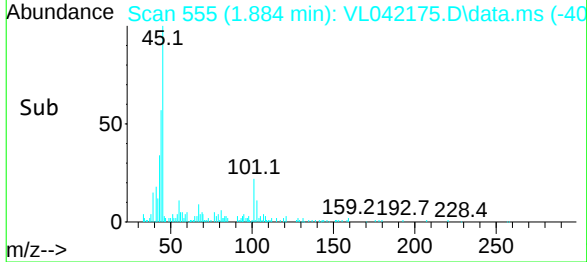
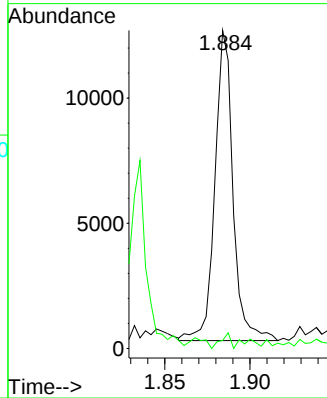
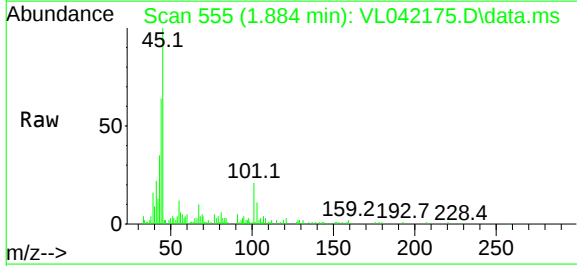
#19
Isopropyl Alcohol
Concen: 0.644 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 45 Resp: 9171
Ion Ratio Lower Upper
45 100
58 5.5 36.9 55.3#

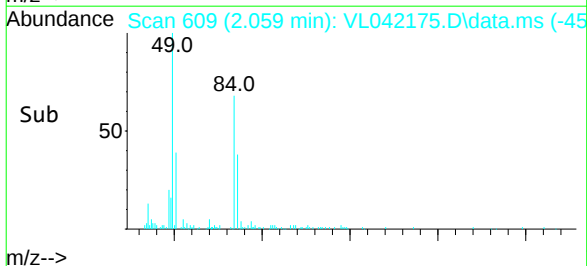
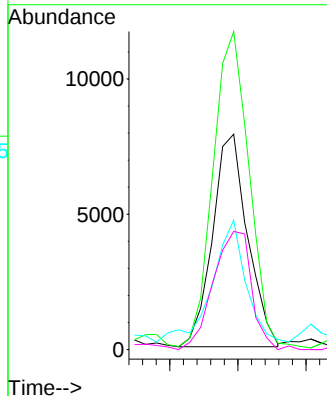
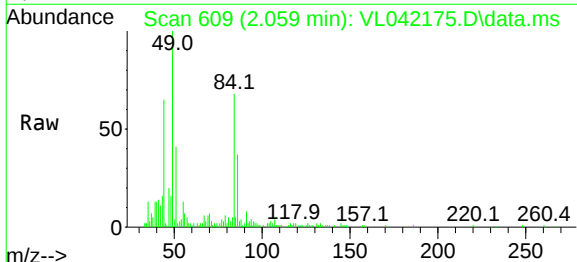
Manual Integrations
APPROVED

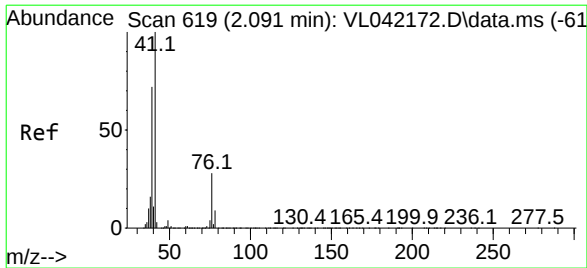
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#20
Methylene Chloride
Concen: 0.599 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

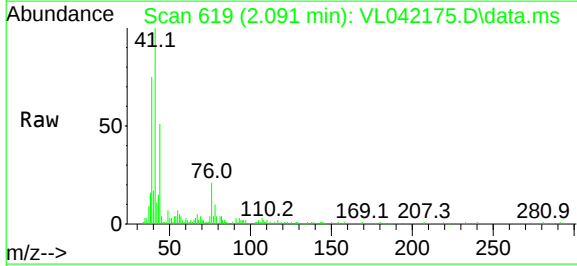
Tgt Ion: 84 Resp: 5634
Ion Ratio Lower Upper
84 100
49 148.1 120.2 180.4
51 56.1 37.4 56.0#
86 55.6 52.4 78.6





#21
 Allyl Chloride
 Concen: 0.541 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. -0.000 min
 Lab File: VL042175.D
 Acq: 27 Mar 2025 10:01

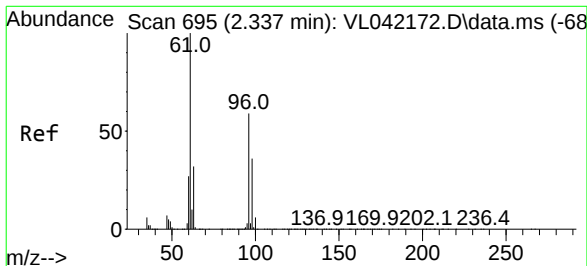
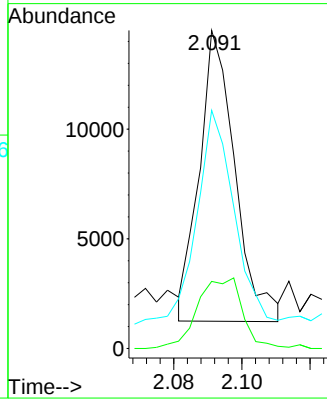
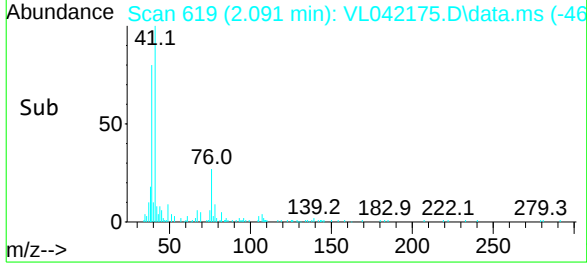
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



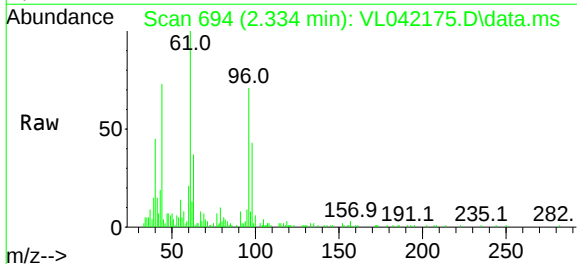
Tgt Ion: 41	Resp: 9632
Ion Ratio	Lower Upper
41 100	
76 30.9	24.1 36.1
39 88.9	61.1 91.7

Manual Integrations
 APPROVED

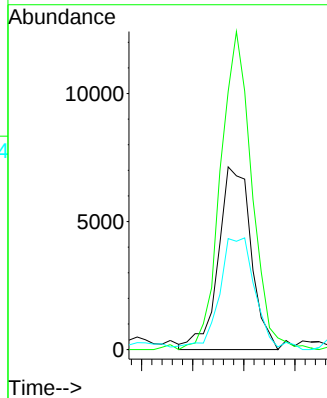
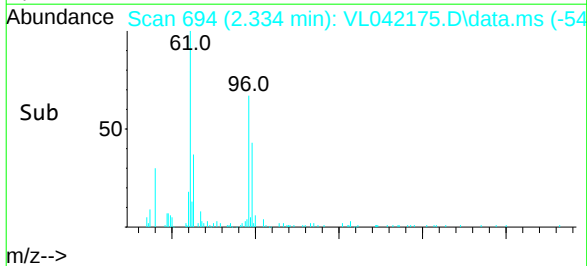
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

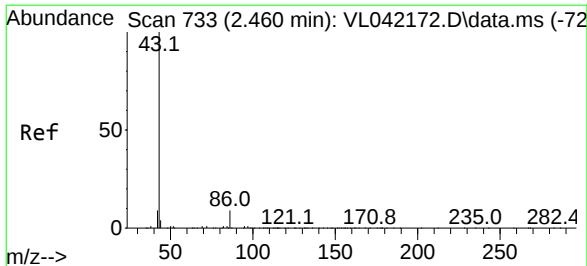


#22
 trans-1,2-Dichloroethene
 Concen: 0.546 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. -0.003 min
 Lab File: VL042175.D
 Acq: 27 Mar 2025 10:01



Tgt Ion: 96	Resp: 6353
Ion Ratio	Lower Upper
96 100	
61 141.3	136.6 204.8
98 59.4	49.4 74.2





#23

Vinyl Acetate

Concen: 0.649 ppbv

RT: 2.457 min Scan# 733

Delta R.T. -0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

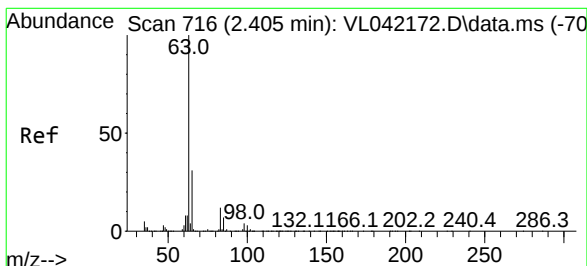
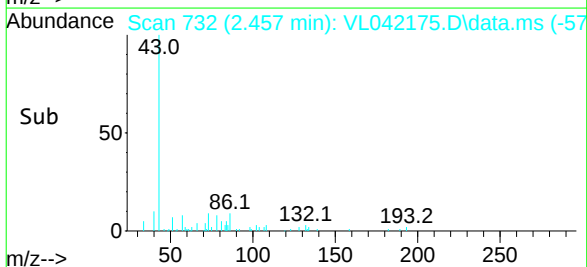
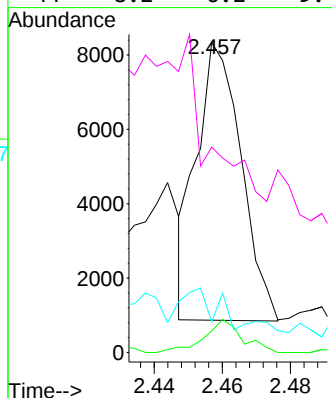
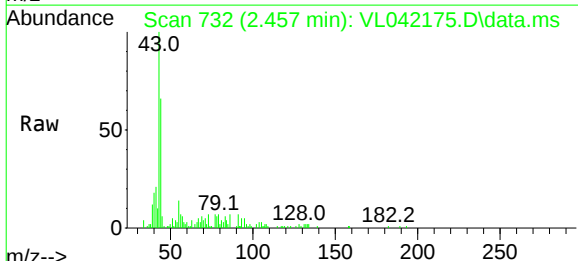
ClientSampleId :

VSTDICC0.5

Tgt Ion: 43	Resp: 6809
Ion Ratio	Lower Upper
43 100	
86 7.7	5.5 8.3
42 3.2	8.6 13.0
44 8.2	6.2 9.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#24

1,1-Dichloroethane

Concen: 0.527 ppbv

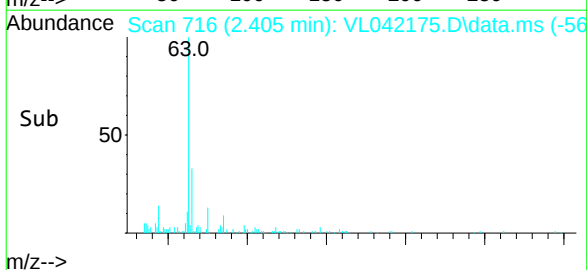
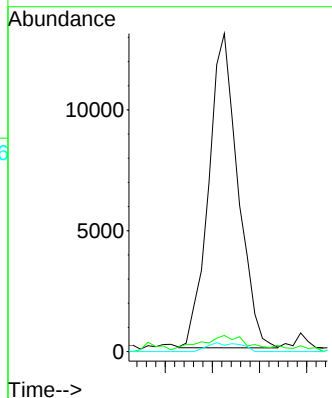
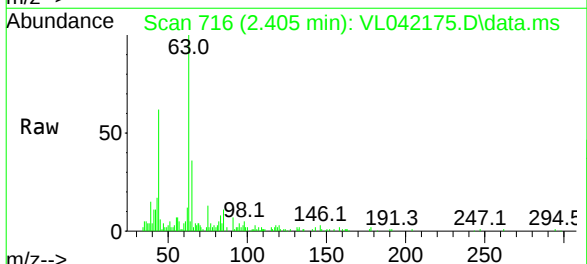
RT: 2.405 min Scan# 716

Delta R.T. -0.000 min

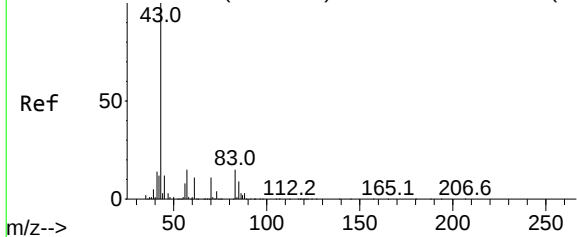
Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Tgt Ion: 63	Resp: 11258
Ion Ratio	Lower Upper
63 100	
98 3.7	2.3 6.8
100 2.0	1.6 4.7



Abundance Scan 848 (2.833 min): VL042172.D\data.ms (-83



#25

Ethyl Acetate

Concen: 0.553 ppbv

RT: 2.836 min Scan# 84

Delta R.T. 0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 43 Resp: 36258

Ion Ratio Lower Upper

43 100

45 11.2 8.2 12.2

61 8.3 7.3 10.9

70 9.9 7.2 10.8

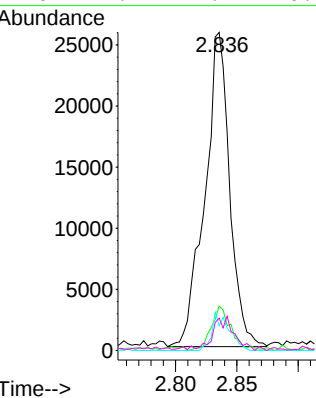
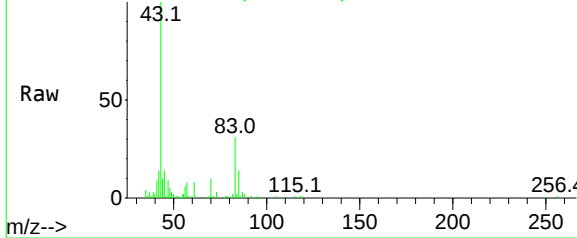
Manual Integrations

APPROVED

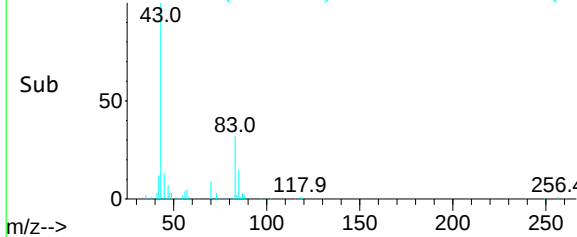
Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025

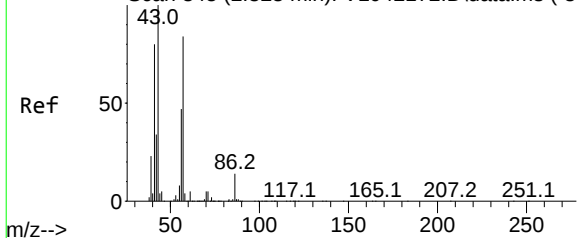
Abundance Scan 849 (2.836 min): VL042175.D\data.ms



Abundance Scan 849 (2.836 min): VL042175.D\data.ms (-69



Abundance Scan 845 (2.823 min): VL042172.D\data.ms (-83



#26

Hexane

Concen: 0.538 ppbv

RT: 2.823 min Scan# 845

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Tgt Ion: 57 Resp: 13605

Ion Ratio Lower Upper

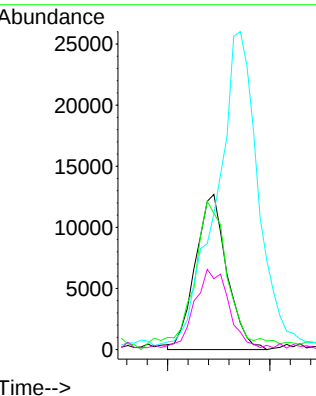
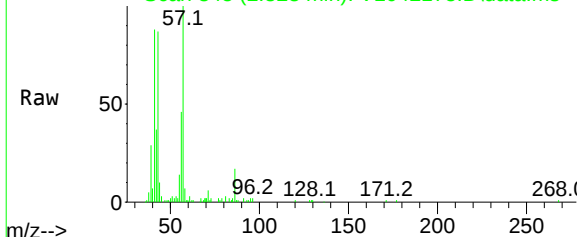
57 100

41 92.1 76.6 114.8

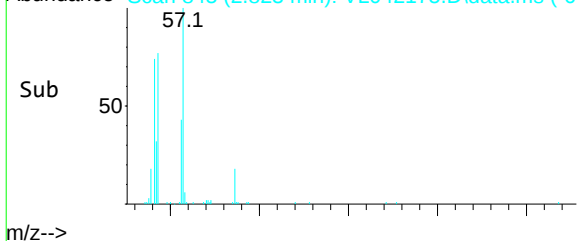
43 273.4 207.8 311.8

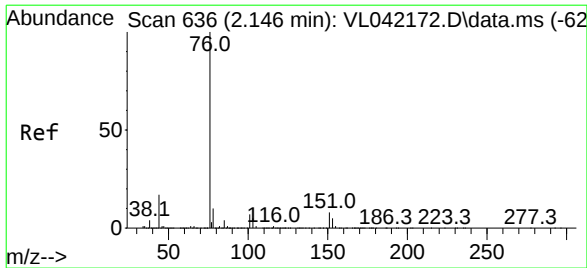
56 64.6 43.6 65.4

Abundance Scan 845 (2.823 min): VL042175.D\data.ms



Abundance Scan 845 (2.823 min): VL042175.D\data.ms (-69





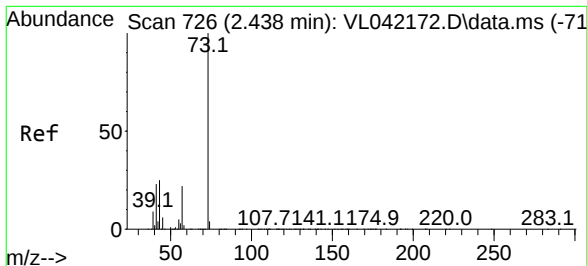
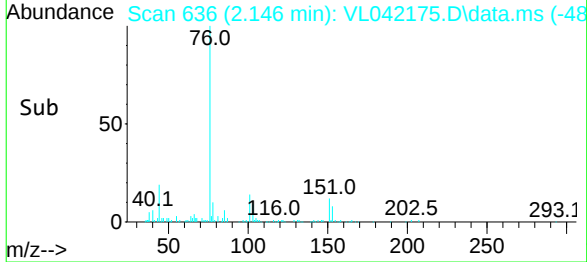
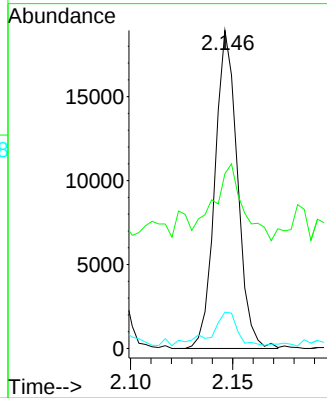
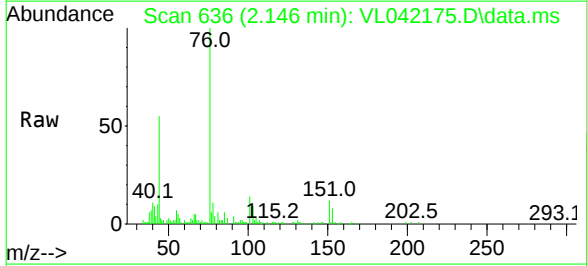
#27
Carbon Disulfide
Concen: 0.535 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

Tgt Ion: 76 Resp: 14510
Ion Ratio Lower Upper
76 100
44 115.5 14.7 22.1#
78 14.9 9.3 13.9#

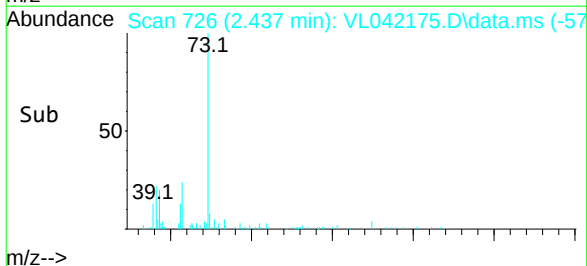
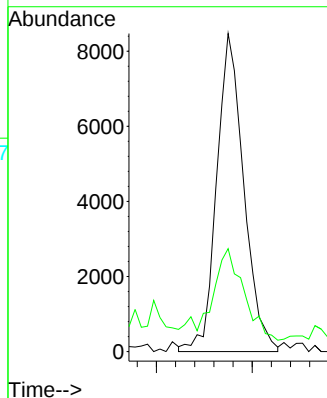
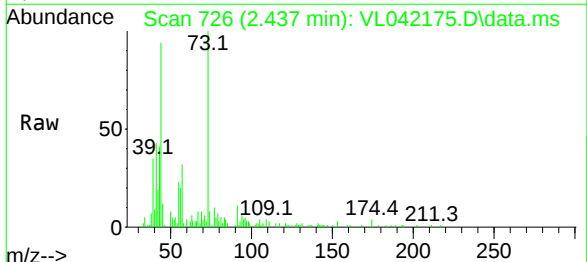
Manual Integrations
APPROVED

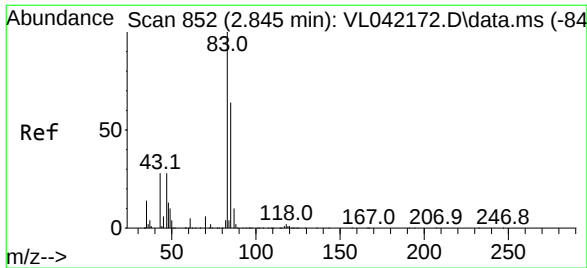
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#28
Methyl tert-Butyl Ether
Concen: 0.527 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 73 Resp: 8310
Ion Ratio Lower Upper
73 100
57 31.1 20.5 30.7#





#29

Chloroform

Concen: 0.544 ppbv

RT: 2.845 min Scan# 852

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 20149

Ion Ratio Lower Upper

83 100

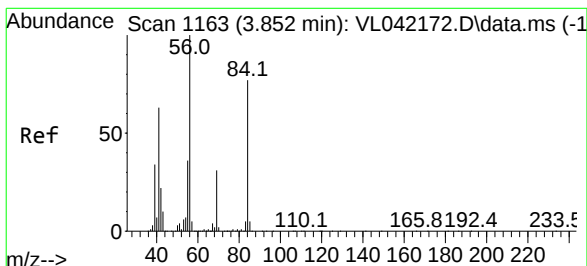
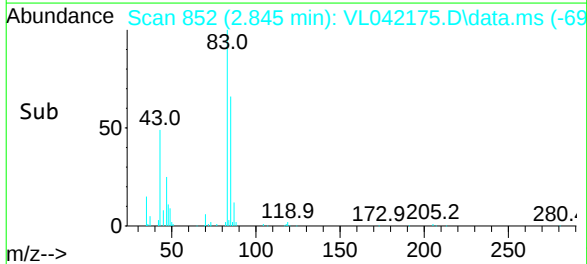
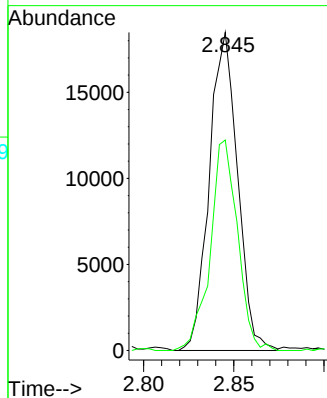
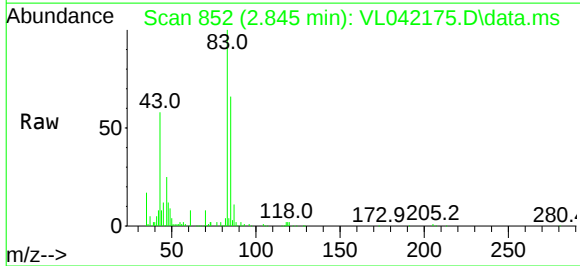
85 66.2 51.4 77.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#30

Cyclohexane

Concen: 0.549 ppbv m

RT: 3.852 min Scan# 1163

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

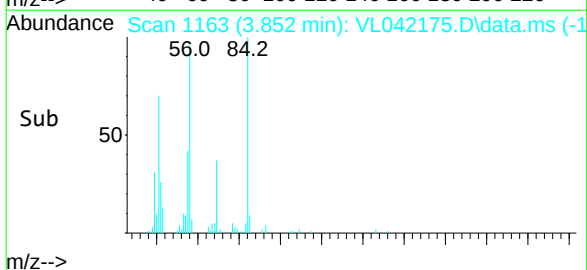
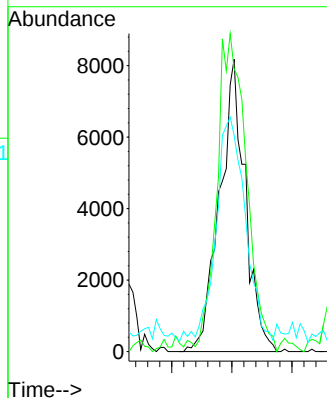
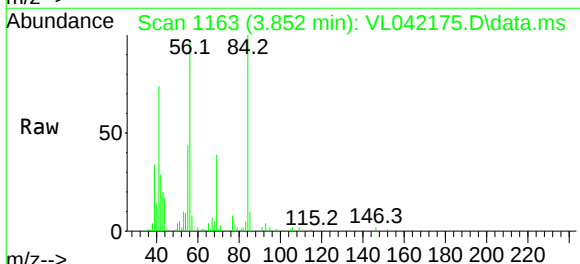
Tgt Ion: 84 Resp: 12063

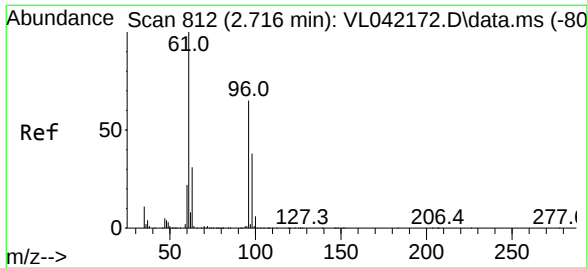
Ion Ratio Lower Upper

84 100

56 126.3 102.8 154.2

41 93.5 66.5 99.7





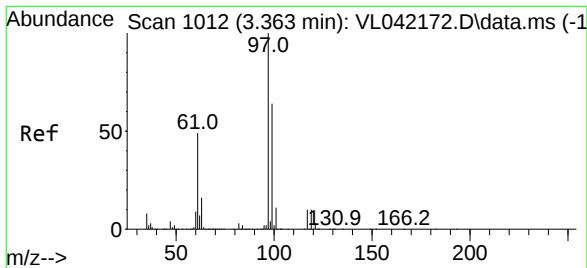
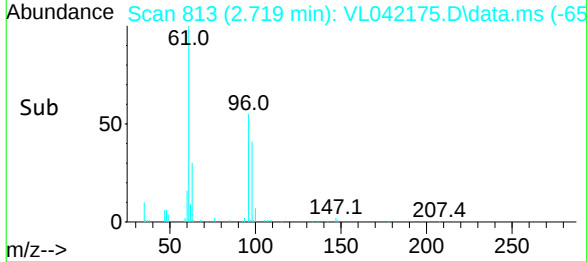
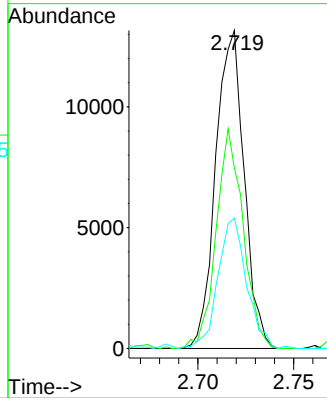
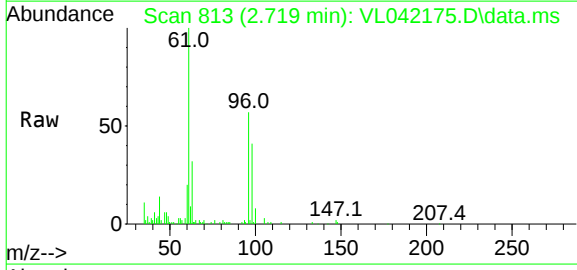
#31
cis-1,2-Dichloroethene
Concen: 0.529 ppbv
RT: 2.719 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:	61	Resp:	13601
Ion	Ratio	Lower	Upper
61	100		
96	56.8	51.8	77.8
98	41.0	30.6	46.0

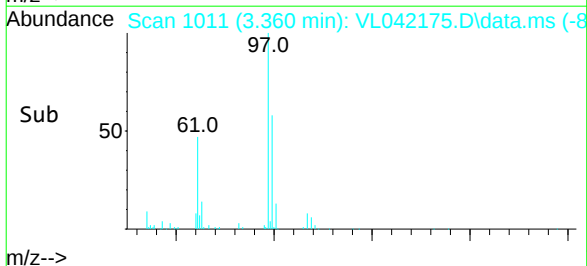
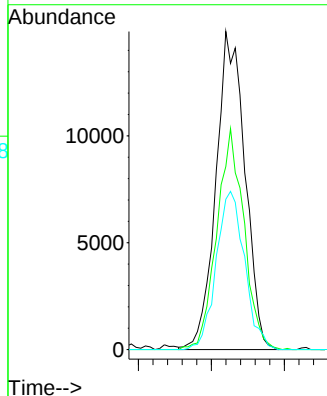
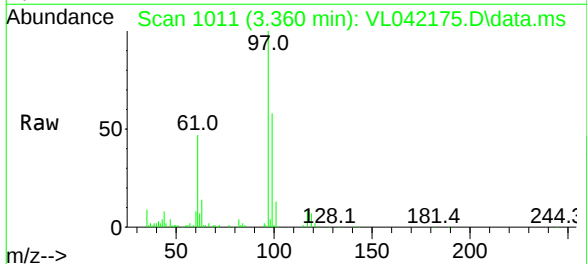
Manual Integrations
APPROVED

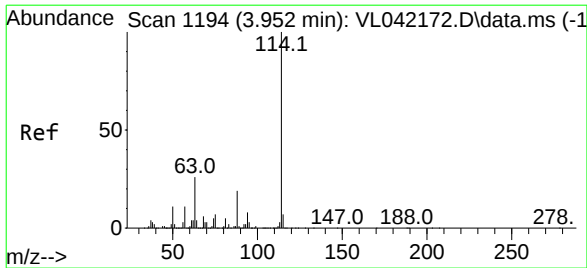
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#32
1,1,1-Trichloroethane
Concen: 0.485 ppbv
RT: 3.360 min Scan# 1011
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

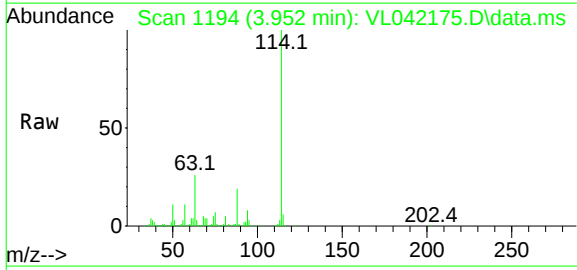
Tgt Ion:	97	Resp:	20567
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.5	77.3
61	48.6	38.7	58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

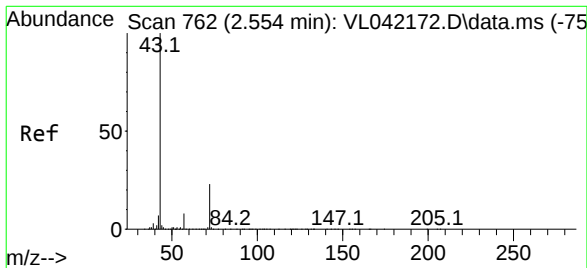
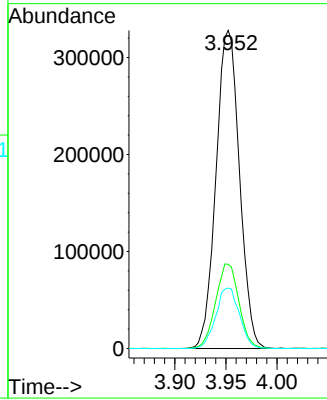
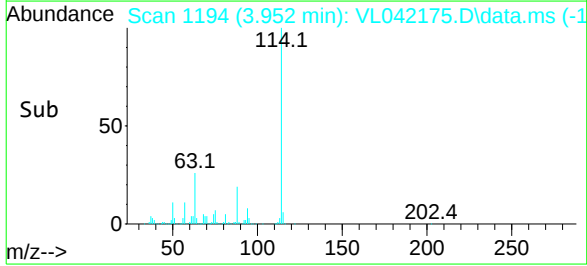
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



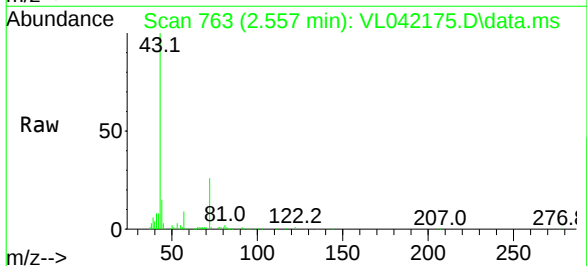
Tgt Ion: 114 Resp: 523832
Ion Ratio Lower Upper
114 100
63 26.4 20.7 31.1
88 19.1 15.0 22.4

Manual Integrations
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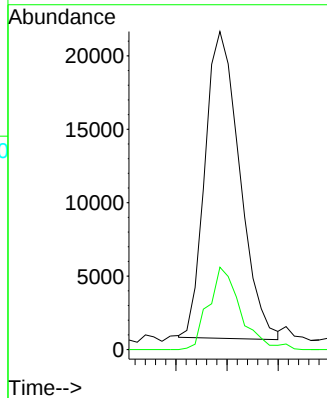
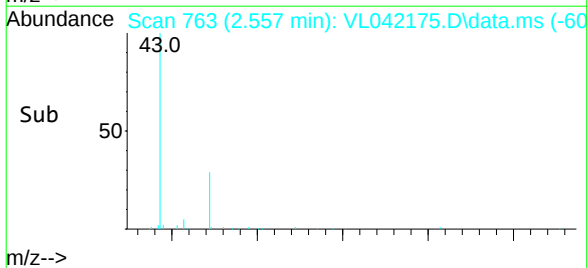
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

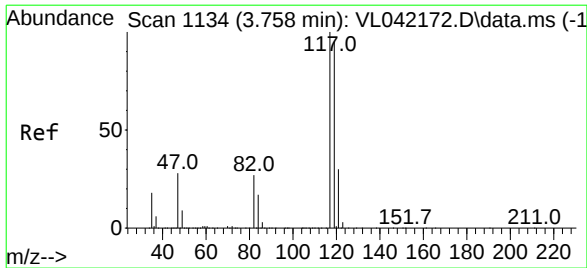


#34
2-Butanone
Concen: 0.520 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01



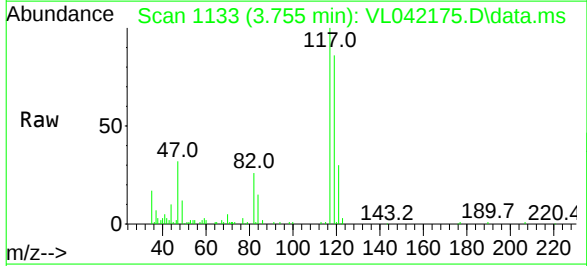
Tgt Ion: 43 Resp: 19739
Ion Ratio Lower Upper
43 100
72 24.8 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.460 ppbv
RT: 3.755 min Scan# 1113
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

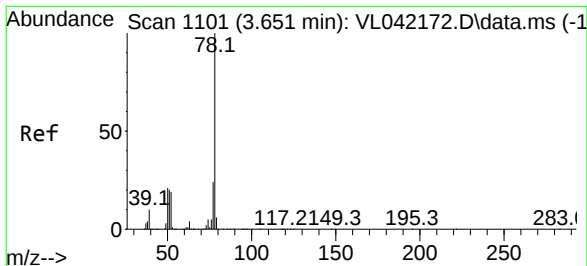
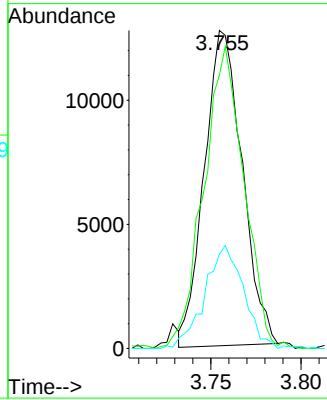
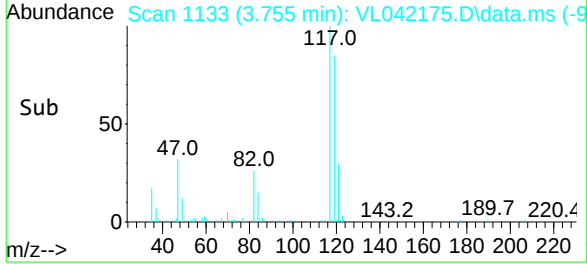
Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5



Tgt Ion: 117 Resp: 18558
Ion Ratio Lower Upper
117 100
119 86.4 76.2 114.2
121 30.1 24.2 36.4

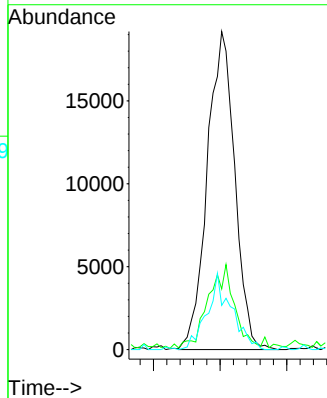
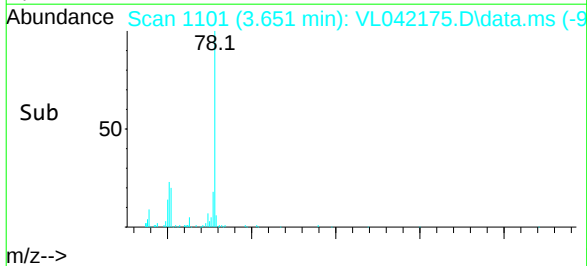
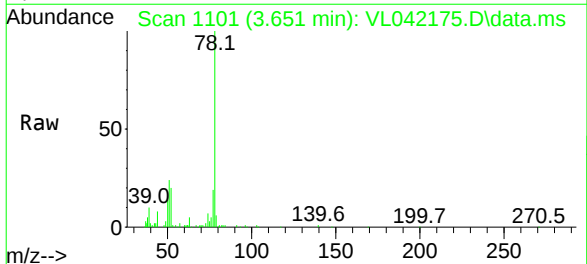
Manual Integrations
APPROVED

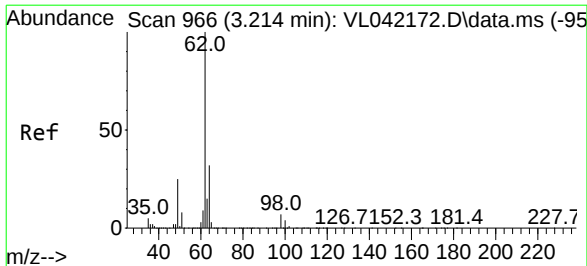
Reviewed By : Semsettin Yesilyurt 03/31/2025
Supervised By : Mahesh Dadoda 04/03/2025



#36
Benzene
Concen: 0.529 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

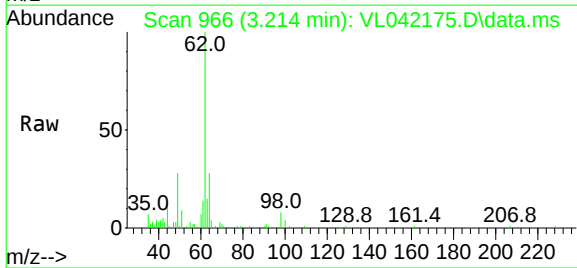
Tgt Ion: 78 Resp: 27488
Ion Ratio Lower Upper
78 100
77 18.5 19.1 28.7#
50 13.9 16.6 24.8#





#37
1,2-Dichloroethane
Concen: 0.540 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

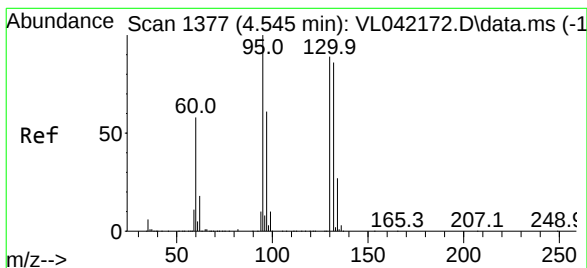
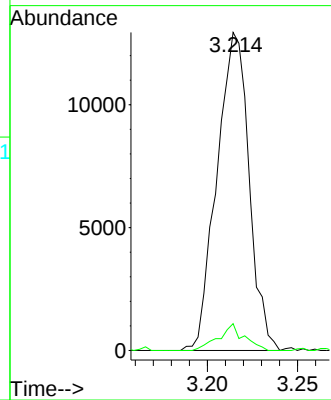
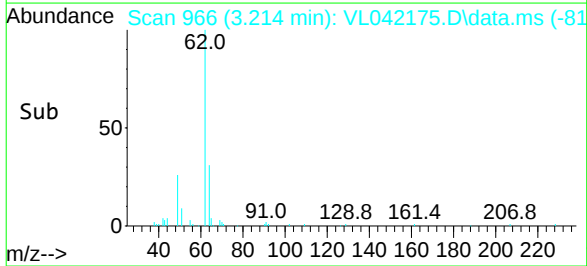
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



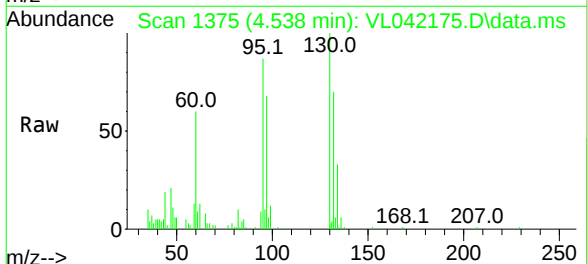
Tgt Ion: 62 Resp: 16062
Ion Ratio Lower Upper
62 100
98 7.0 5.4 8.2

Manual Integrations
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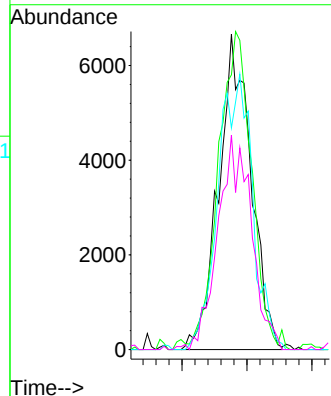
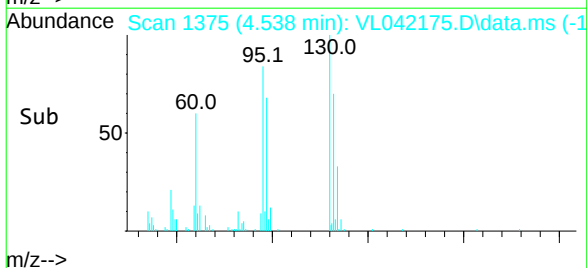
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

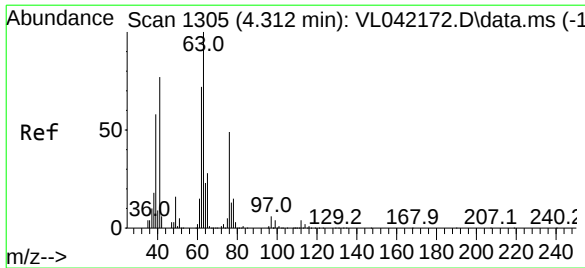


#38
Trichloroethene
Concen: 0.529 ppbv m
RT: 4.538 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01



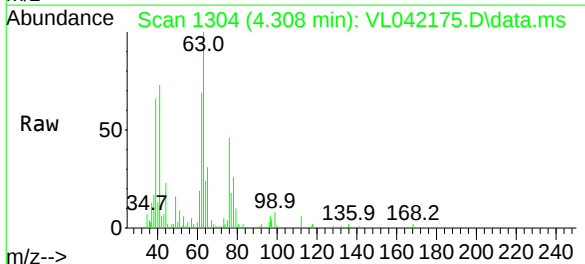
Tgt Ion:130 Resp: 11460
Ion Ratio Lower Upper
130 100
95 87.1 89.8 134.8#
132 70.3 77.4 116.2#
97 68.0 55.1 82.7





#39
 1,2-Dichloropropane
 Concen: 0.535 ppbv
 RT: 4.308 min Scan# 1304
 Delta R.T. -0.003 min
 Lab File: VL042175.D
 Acq: 27 Mar 2025 10:01

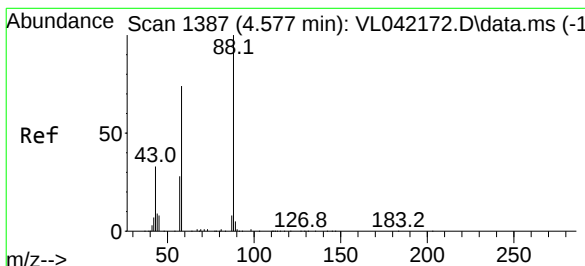
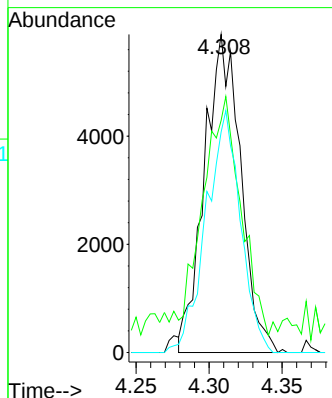
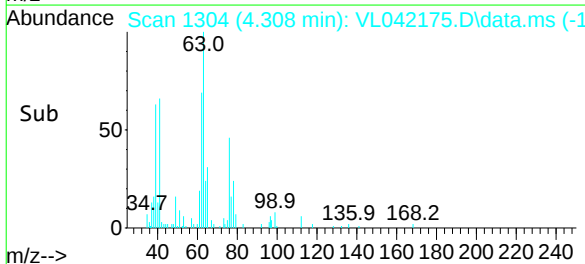
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:	63	Resp:	10123
Ion	Ratio	Lower	Upper
63	100		
41	66.4	61.7	92.5
62	69.3	57.6	86.4

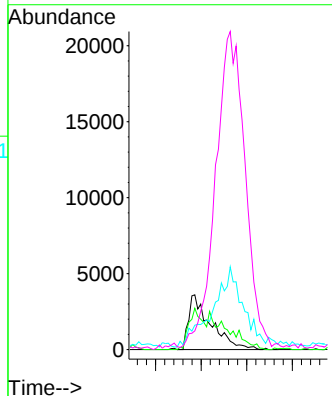
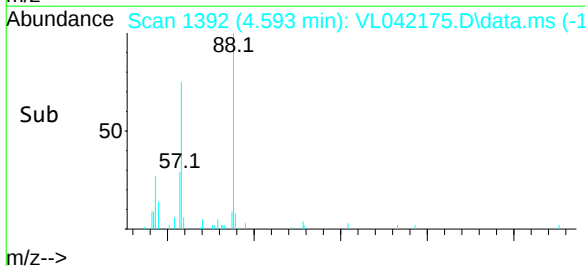
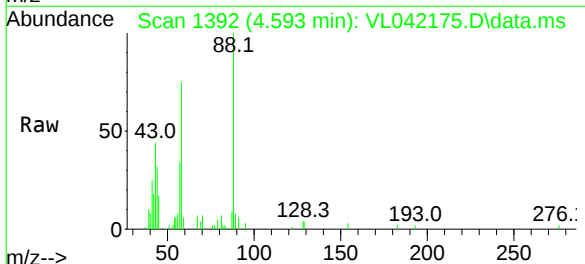
Manual Integrations
 APPROVED

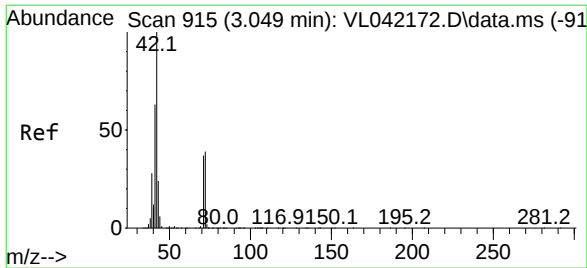
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#40
 1,4-Dioxane
 Concen: 0.624 ppbv m
 RT: 4.593 min Scan# 1392
 Delta R.T. 0.016 min
 Lab File: VL042175.D
 Acq: 27 Mar 2025 10:01

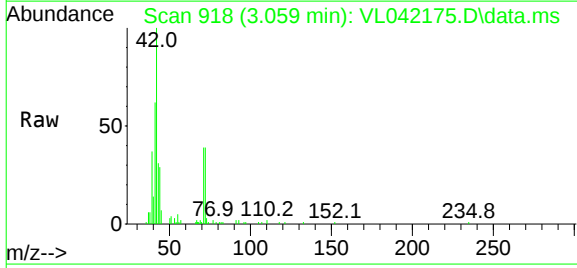
Tgt Ion:	88	Resp:	6121
Ion	Ratio	Lower	Upper
88	100		
58	111.2	62.7	94.1#
43	0.0	23.0	34.4#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.533 ppbv m
RT: 3.059 min Scan# 915
Delta R.T. 0.010 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

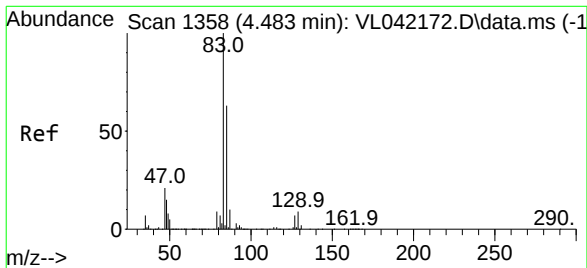
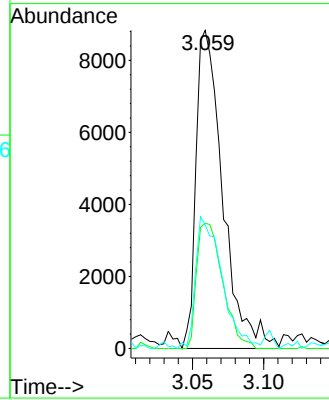
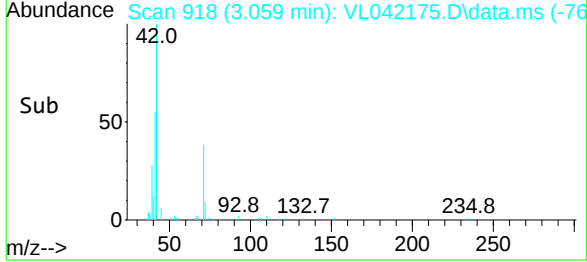
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 42 Resp: 11509
Ion Ratio Lower Upper
42 100
72 38.4 31.4 47.0
71 40.7 30.2 45.4

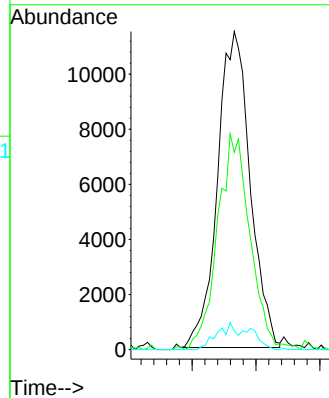
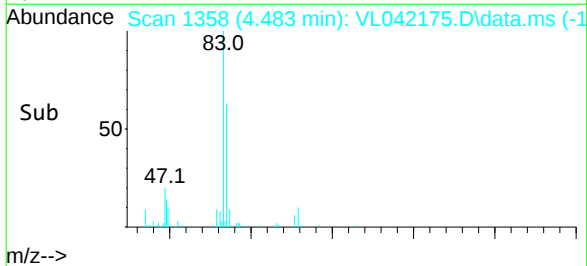
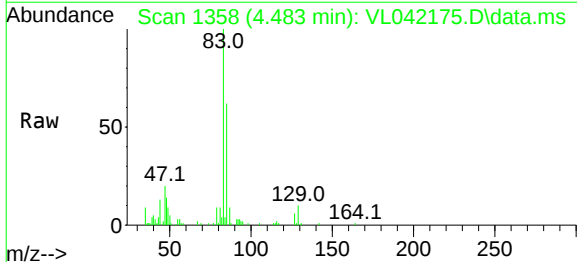
Manual Integrations
APPROVED

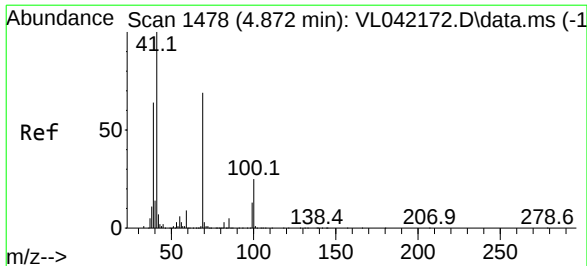
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#42
Bromodichloromethane
Concen: 0.497 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 83 Resp: 20374
Ion Ratio Lower Upper
83 100
85 61.6 50.5 75.7
127 5.9 5.9 8.9#





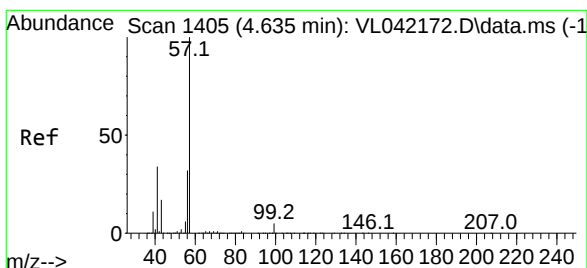
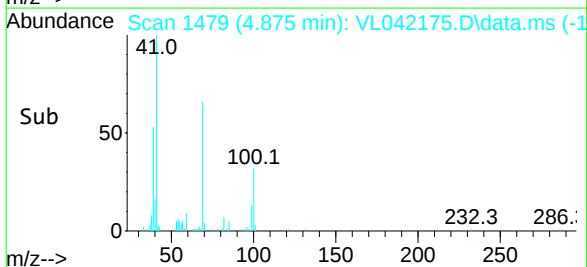
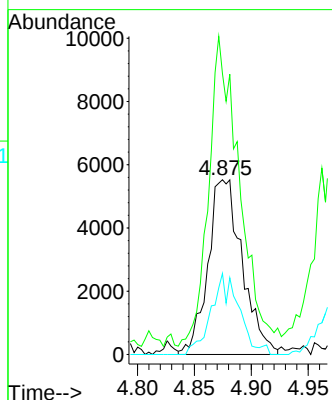
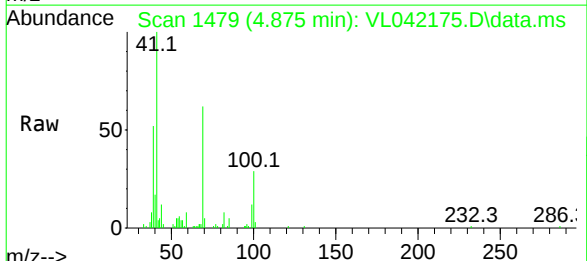
#43
Methyl Methacrylate
Concen: 0.528 ppbv m
RT: 4.875 min Scan# 1478
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt	Ion	Ratio	Lower	Upper
69	100			
41	150.3	123.8	185.6	
100	37.9	28.4	42.6	

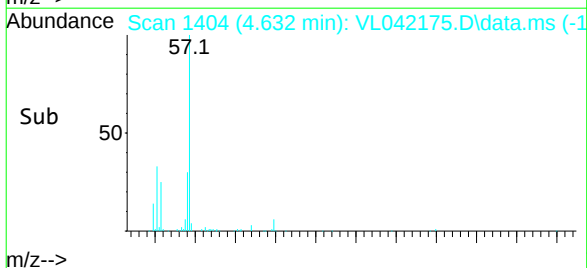
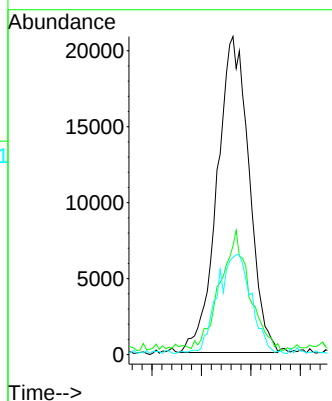
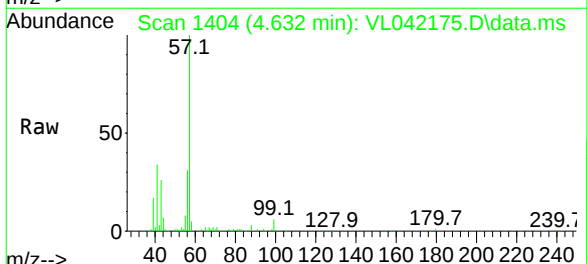
Manual Integrations
APPROVED

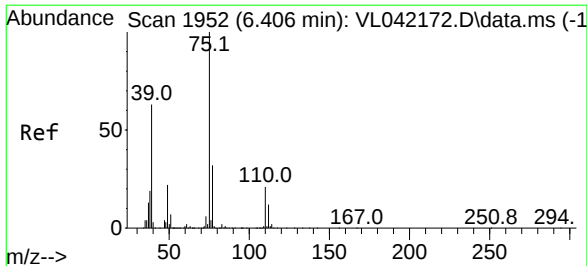
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#44
2,2,4-Trimethylpentane
Concen: 0.532 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt	Ion	Ratio	Lower	Upper
57	100			
41	36.7	26.8	40.2	
56	34.3	25.6	38.4	





#45

t-1,3-Dichloropropene

Concen: 0.526 ppbv

RT: 6.406 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VL042175.D

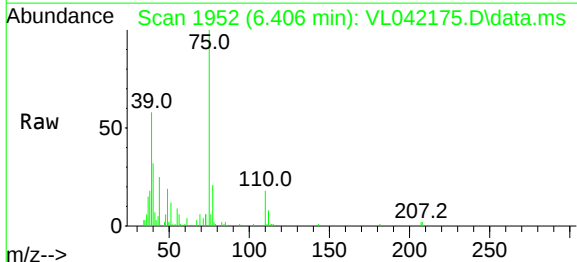
Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5



Tgt Ion: 75 Resp: 12404

Ion Ratio Lower Upper

75 100

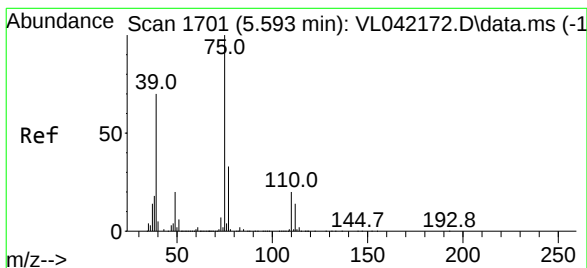
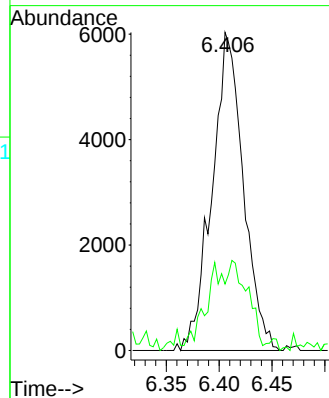
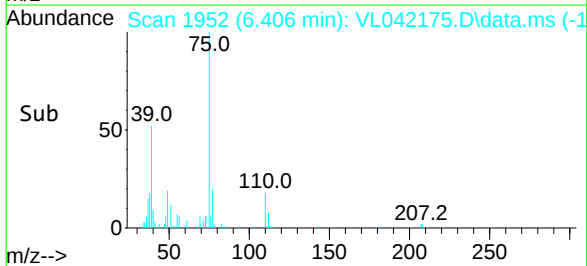
77 20.9 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#46

cis-1,3-Dichloropropene

Concen: 0.497 ppbv m

RT: 5.593 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

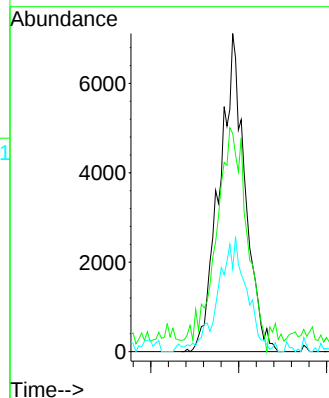
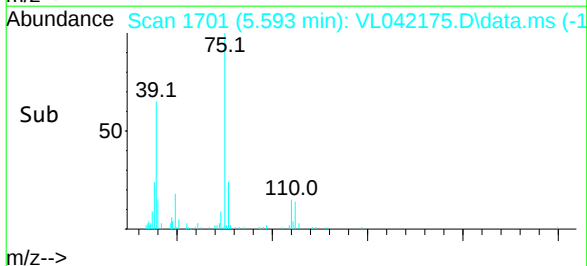
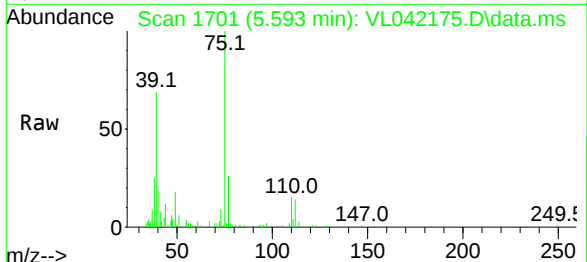
Tgt Ion: 75 Resp: 14374

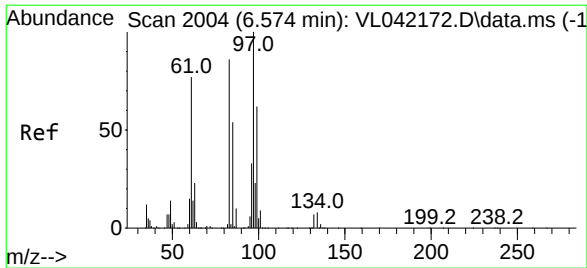
Ion Ratio Lower Upper

75 100

39 68.5 55.8 83.6

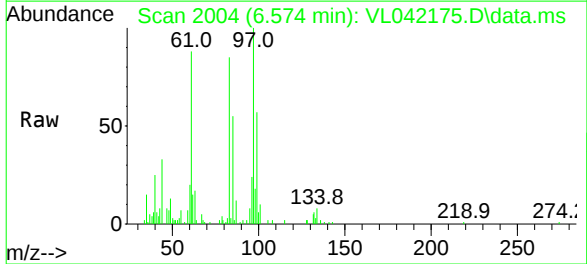
77 26.1 26.0 39.0





#47
1,1,2-Trichloroethane
Concen: 0.549 ppbv m
RT: 6.574 min Scan# 2004
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

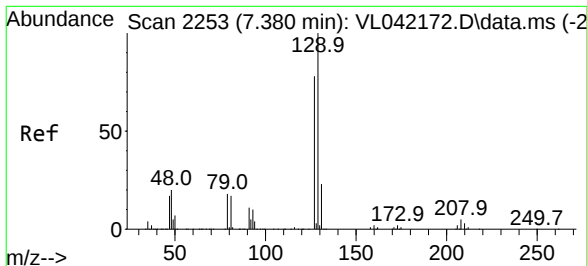
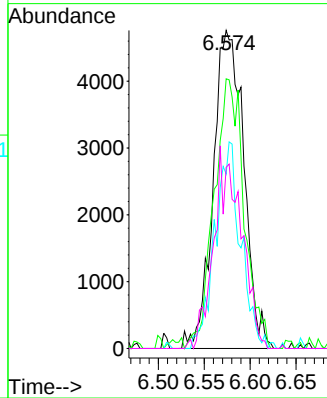
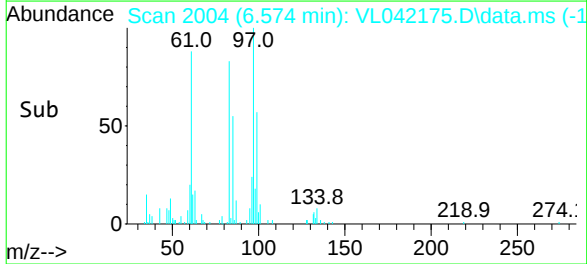
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.2	103.8
85	54.9	43.1	64.7
99	57.0	49.4	74.2

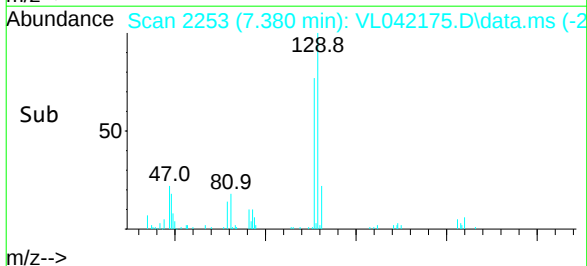
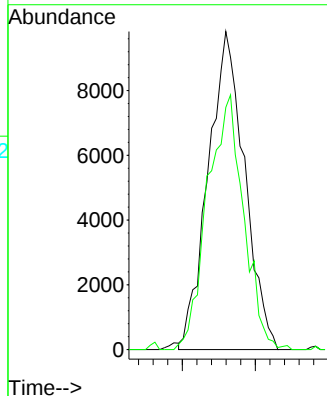
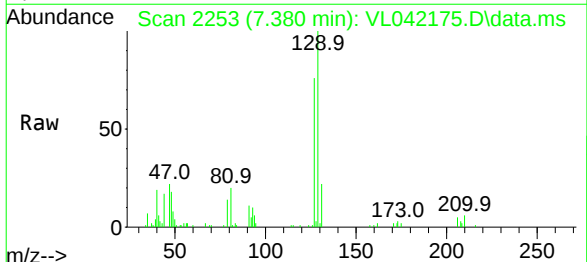
Manual Integrations
APPROVED

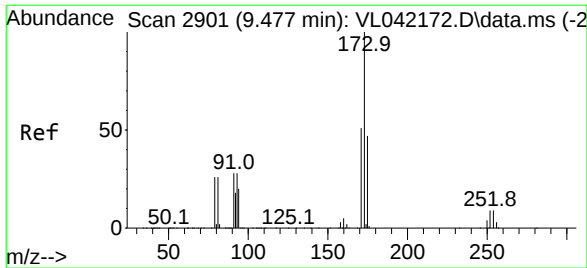
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#48
Dibromochloromethane
Concen: 0.503 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.1	117.2





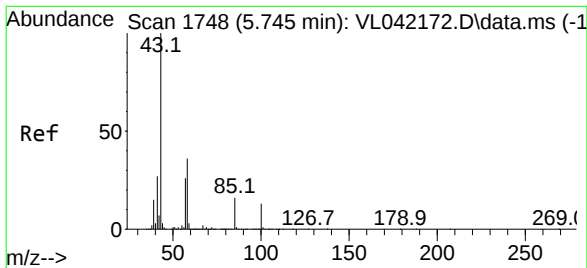
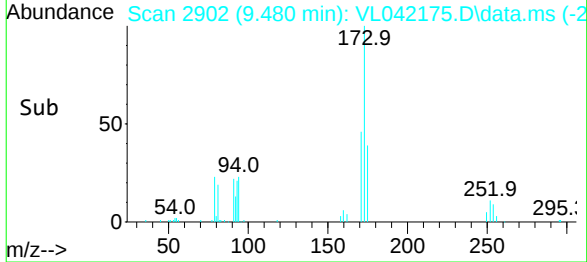
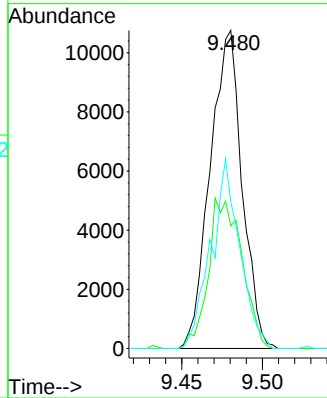
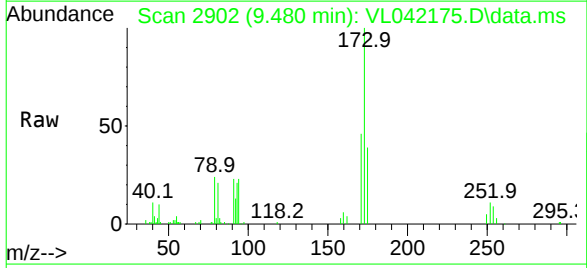
#49
Bromoform
Concen: 0.487 ppbv
RT: 9.480 min Scan# 2901
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.6	57.8
171	53.8	41.8	62.6

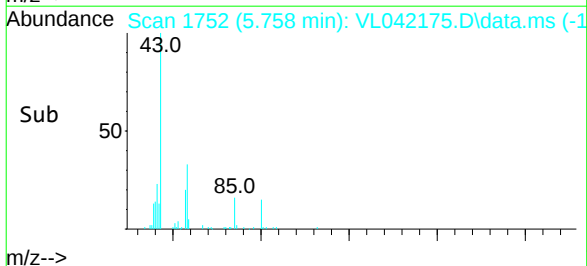
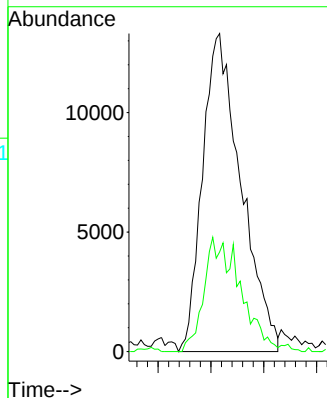
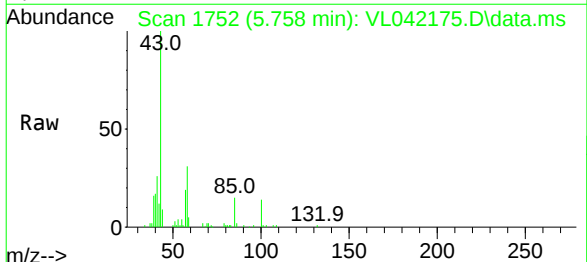
Manual Integrations
APPROVED

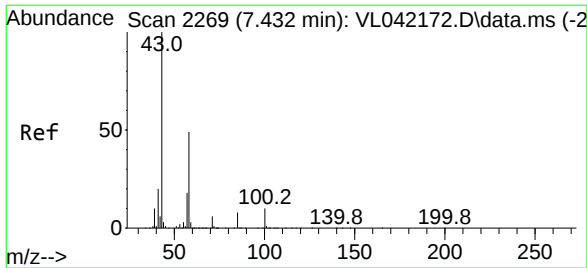
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#50
4-Methyl-2-Pentanone
Concen: 0.559 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. 0.013 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

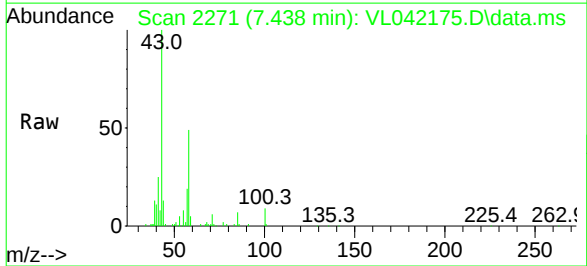
Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.4	29.0	43.6





#51
2-Hexanone
Concen: 0.523 ppbv
RT: 7.438 min Scan# 2269
Delta R.T. 0.006 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

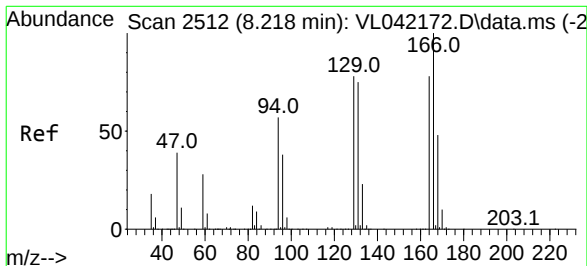
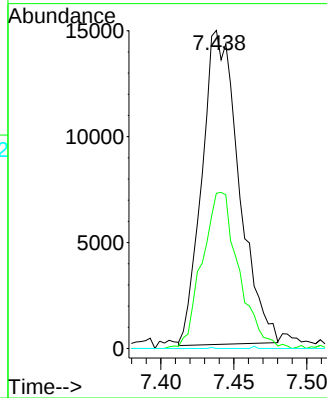
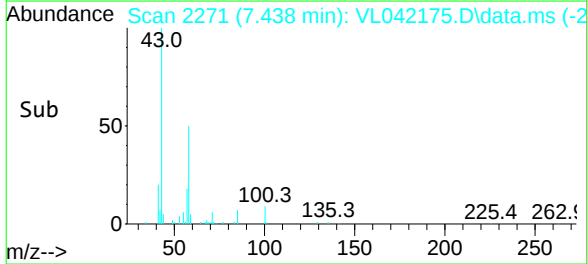
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



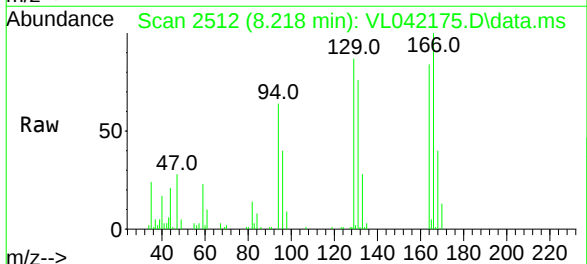
Tgt Ion: 43 Resp: 26154
Ion Ratio Lower Upper
43 100
58 49.8 39.7 59.5
98 0.0 0.1 0.1

Manual Integrations
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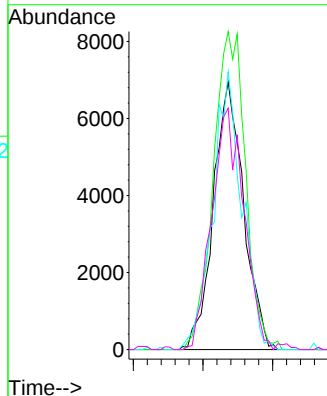
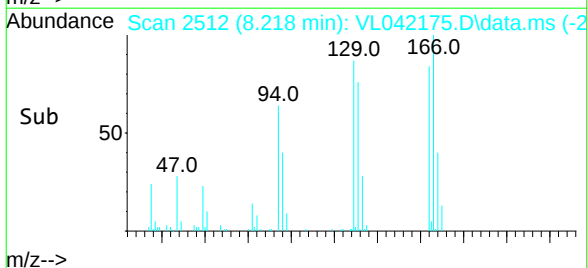
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

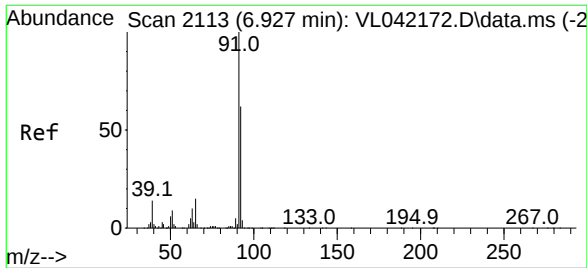


#52
Tetrachloroethene
Concen: 0.510 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01



Tgt Ion:164 Resp: 10502
Ion Ratio Lower Upper
164 100
166 118.9 102.5 153.7
129 103.8 79.8 119.8
131 90.2 76.6 114.8





#53

Toluene

Concen: 0.527 ppbv

RT: 6.923 min Scan# 2113

Delta R.T. -0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 91 Resp: 32444

Ion Ratio Lower Upper

91 100

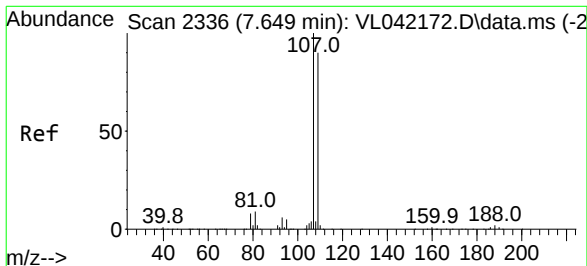
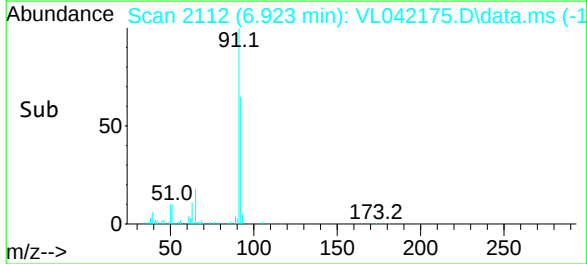
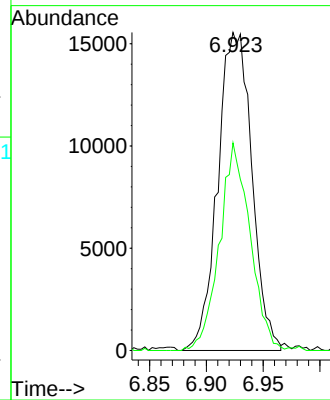
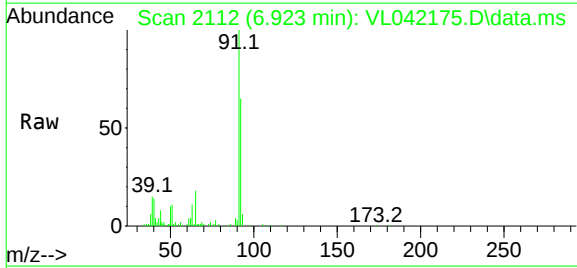
92 58.9 48.4 72.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#54

1,2-Dibromoethane

Concen: 0.510 ppbv

RT: 7.648 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VL042175.D

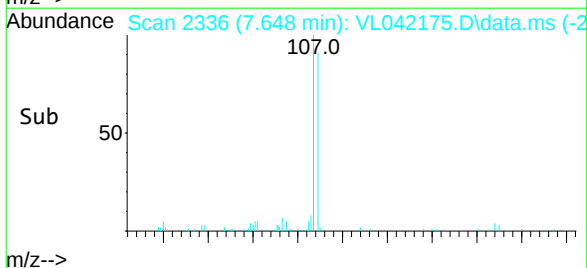
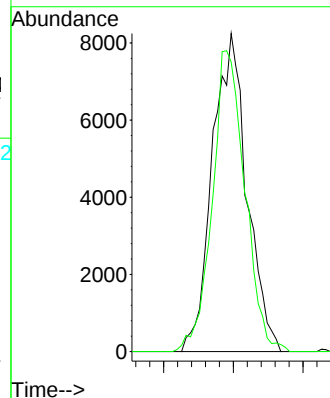
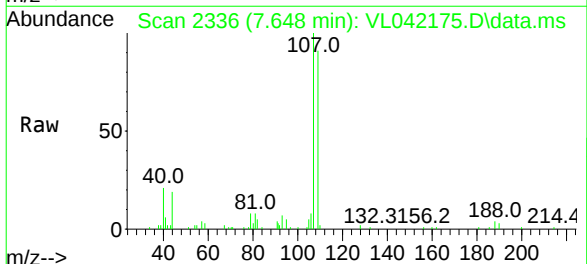
Acq: 27 Mar 2025 10:01

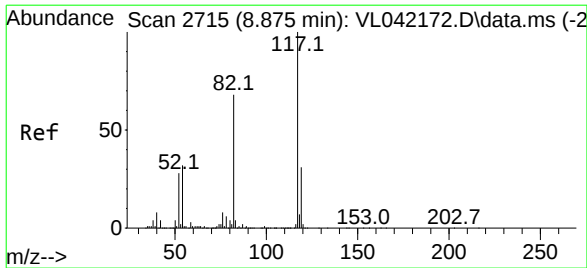
Tgt Ion:107 Resp: 14220

Ion Ratio Lower Upper

107 100

109 89.1 72.2 108.4





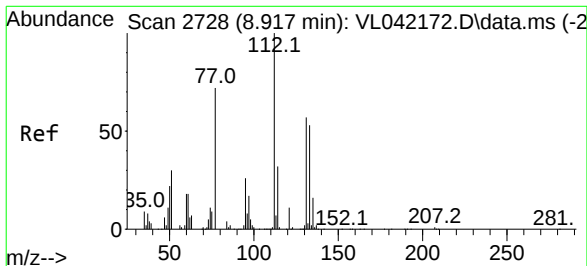
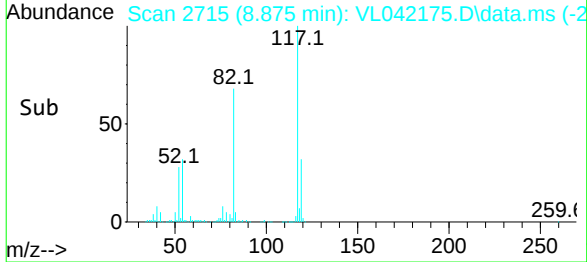
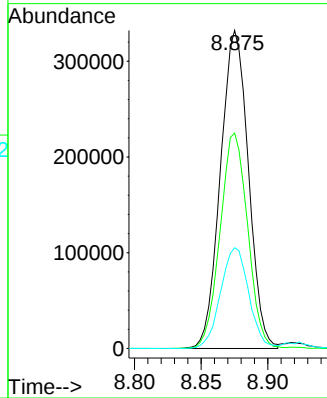
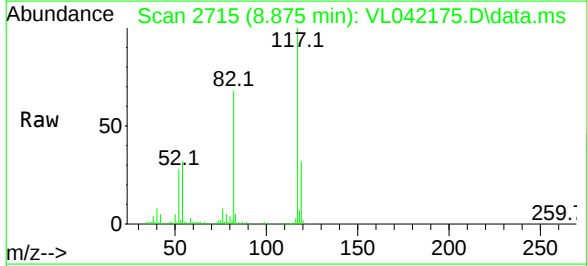
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:117 Resp: 485078
Ion Ratio Lower Upper
117 100
82 67.0 55.8 83.6
119 33.7 25.5 38.3

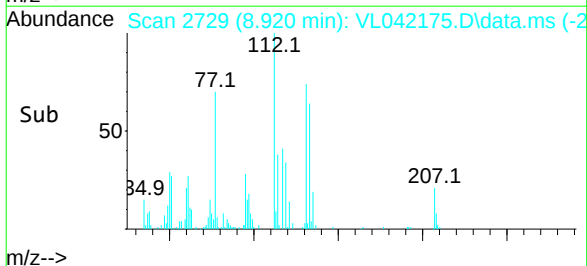
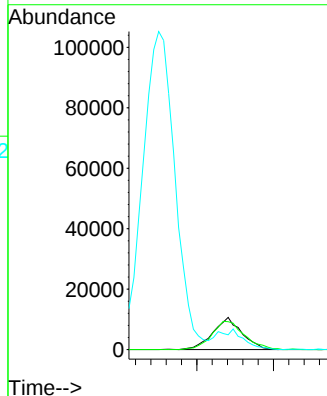
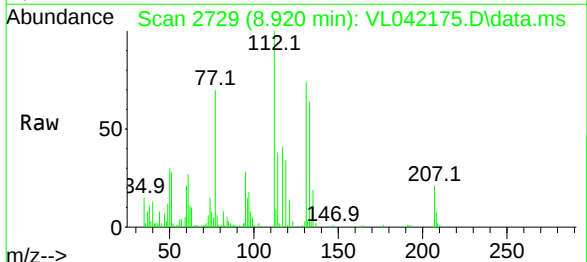
Manual Integrations
APPROVED

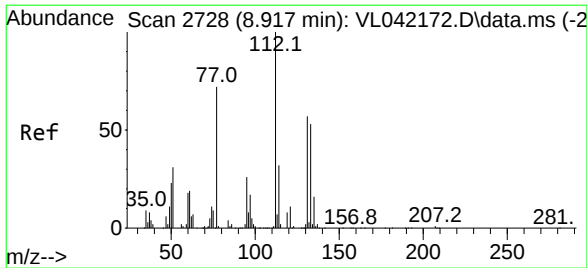
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.523 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

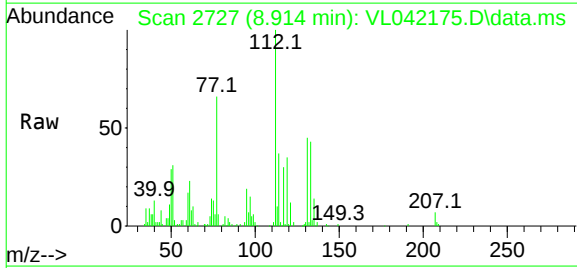
Tgt Ion:131 Resp: 13959
Ion Ratio Lower Upper
131 100
133 99.6 76.6 114.8
119 1170.3 49.8 74.6#





#57
Chlorobenzene
Concen: 0.540 ppbv
RT: 8.914 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

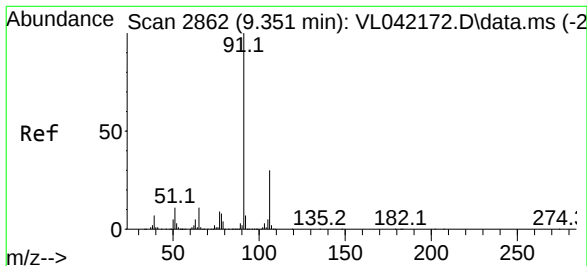
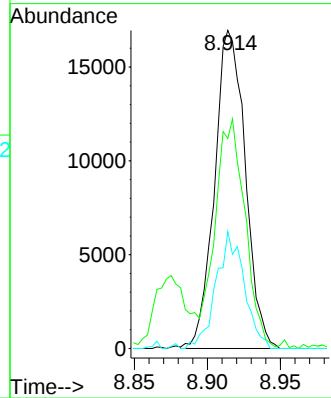
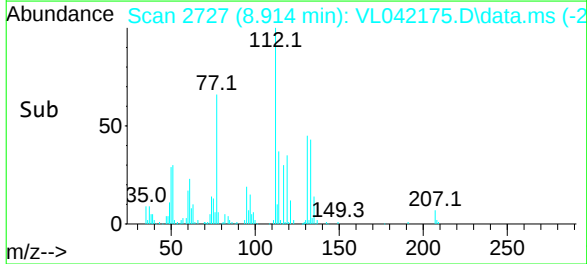
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 112 Resp: 24826
Ion Ratio Lower Upper
112 100
77 65.1 58.2 87.2
114 36.8 29.1 35.5#

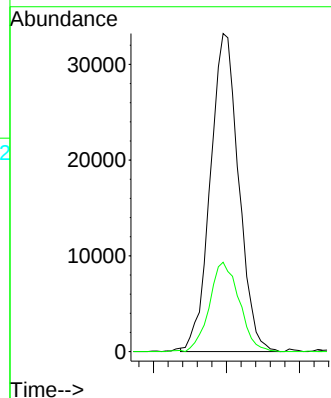
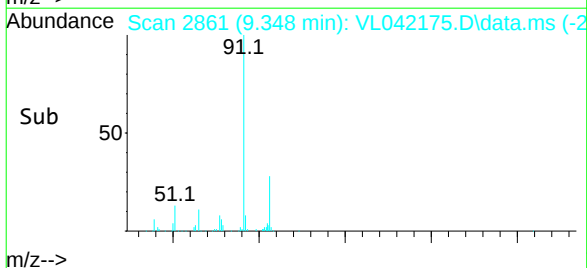
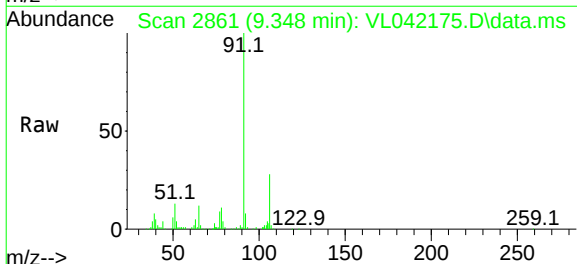
Manual Integrations
APPROVED

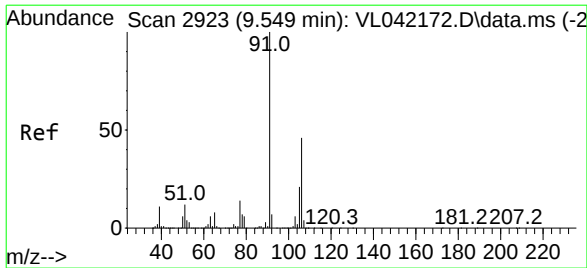
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#58
Ethyl Benzene
Concen: 0.521 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 91 Resp: 44862
Ion Ratio Lower Upper
91 100
106 28.1 24.2 36.2





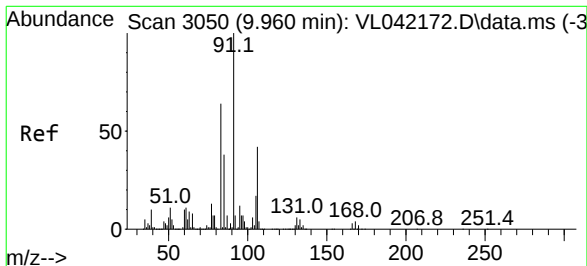
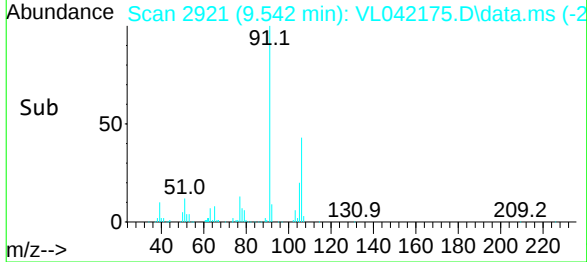
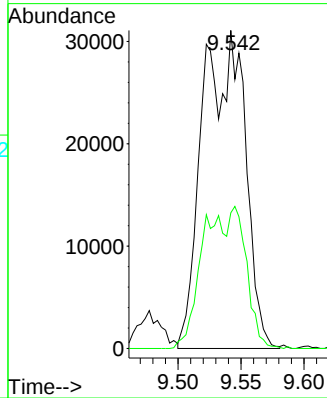
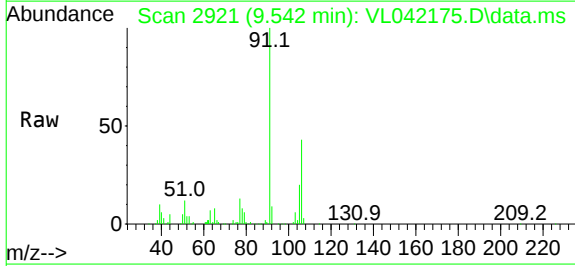
#59
m/p-Xylene
Concen: 1.060 ppbv m
RT: 9.542 min Scan# 29
Delta R.T. -0.007 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 73028
Ion Ratio Lower Upper
91 100
106 45.2 36.4 54.6

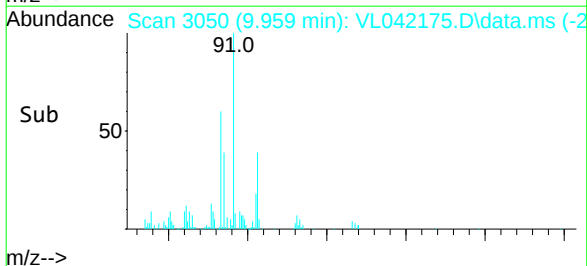
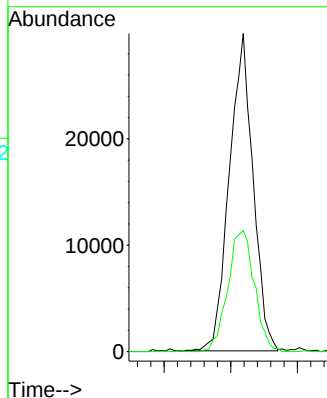
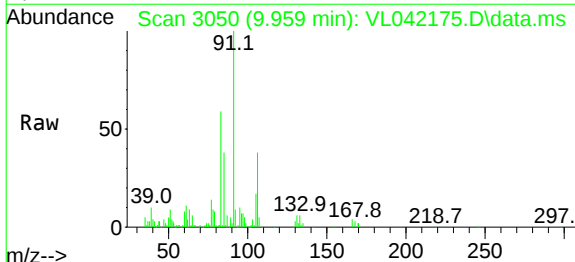
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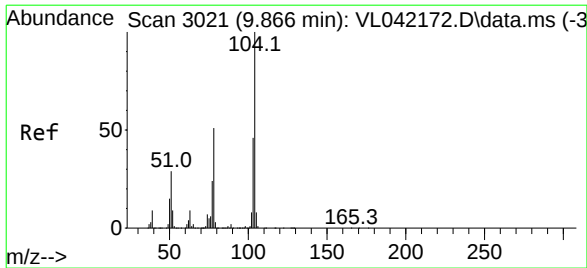
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#60
o-Xylene
Concen: 0.535 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 91 Resp: 36879
Ion Ratio Lower Upper
91 100
106 42.7 20.8 62.5





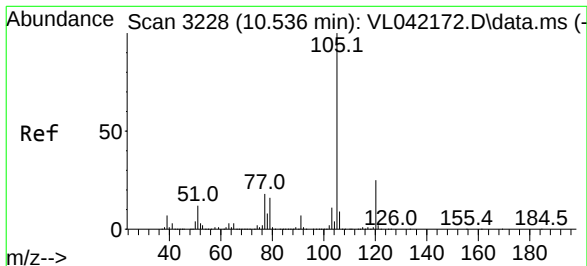
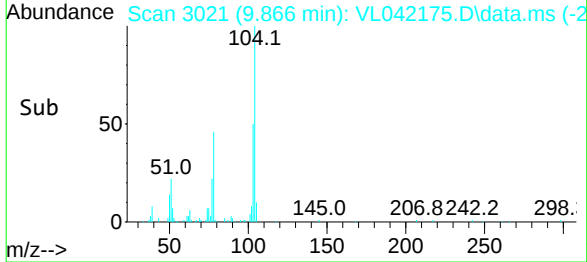
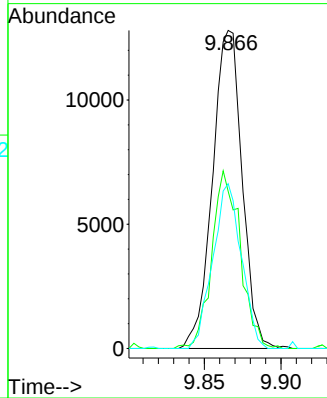
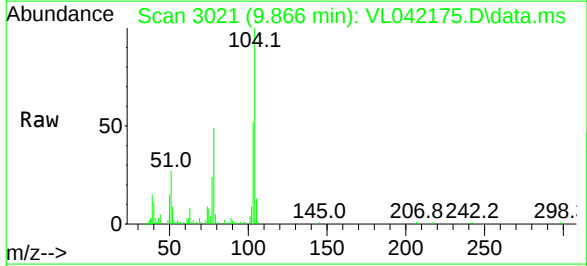
#61
Styrene
Concen: 0.504 ppbv
RT: 9.866 min Scan# 3021
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 17198
Ion Ratio Lower Upper
104 100
78 53.7 41.8 62.6
103 50.2 37.0 55.4

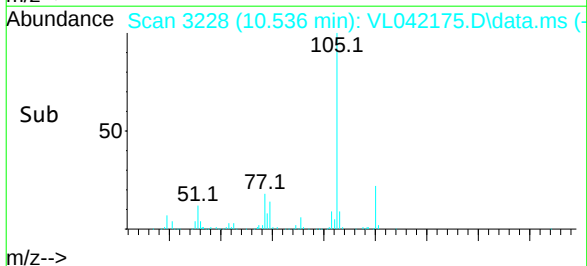
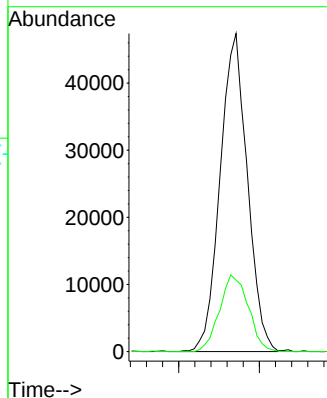
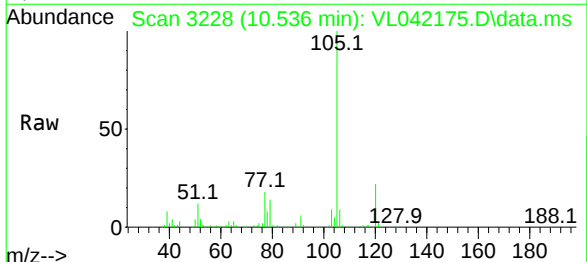
Manual Integrations
APPROVED

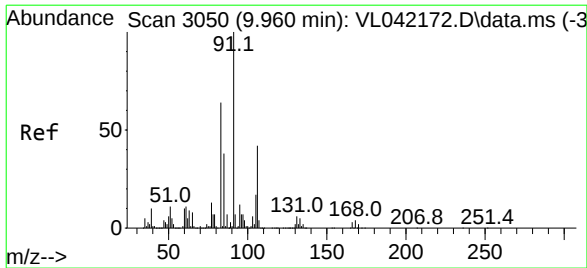
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#62
Isopropylbenzene
Concen: 0.538 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:105 Resp: 55531
Ion Ratio Lower Upper
105 100
120 25.5 19.9 29.9





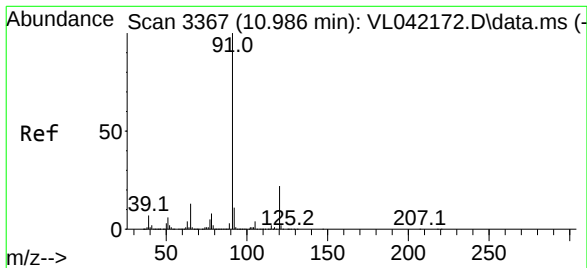
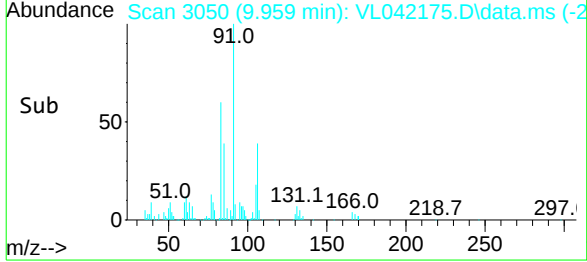
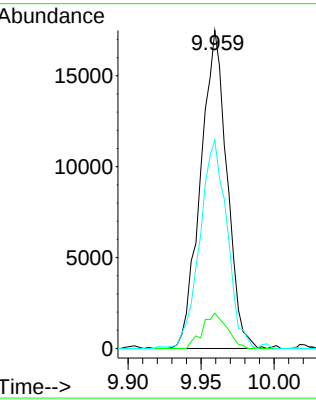
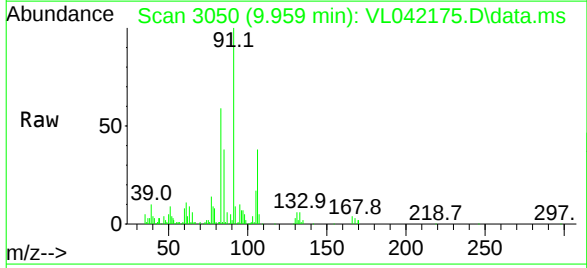
#63
1,1,2,2-Tetrachloroethane
Concen: 0.525 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:	83	Resp:	21989
Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.8	14.4
85	68.1	32.5	97.5

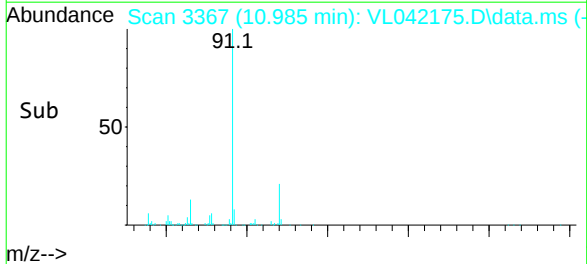
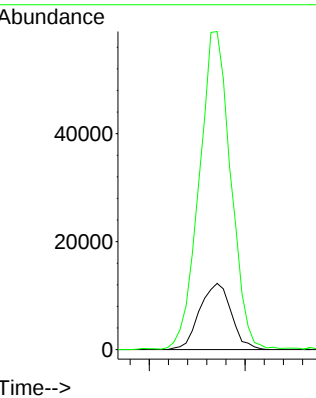
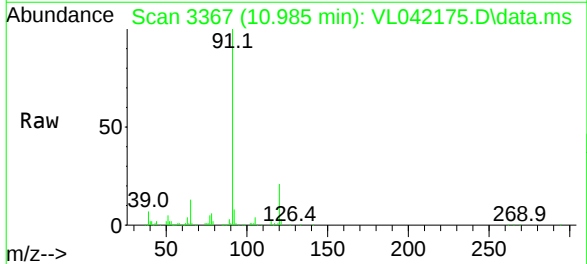
Manual Integrations
APPROVED

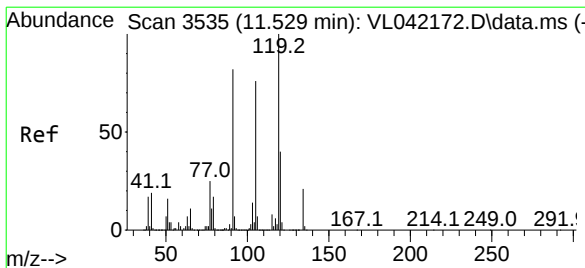
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#64
n-propylbenzene
Concen: 0.528 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:	120	Resp:	14030
Ion	Ratio	Lower	Upper
120	100		
91	483.1	376.9	565.3





#65

tert-Butylbenzene

Concen: 0.557 ppbv

RT: 11.526 min Scan# 3511

Delta R.T. -0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

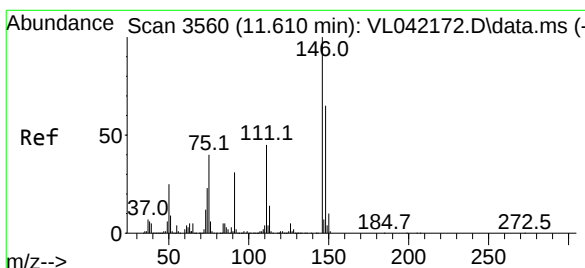
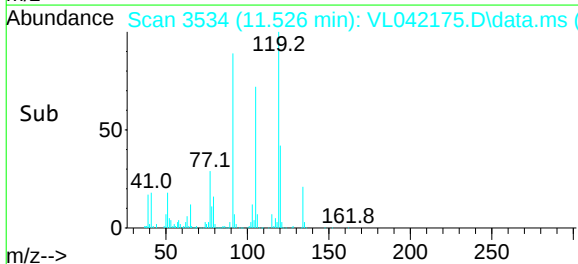
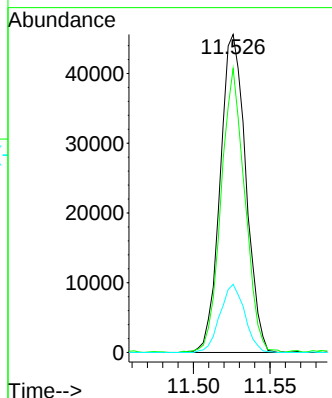
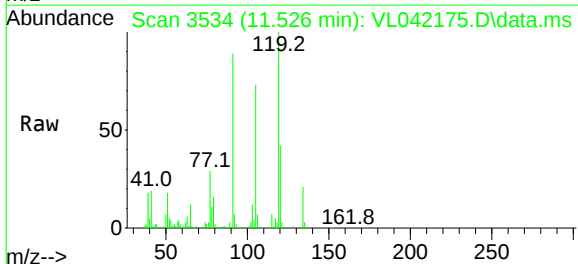
VSTDICC0.5

Tgt Ion:	119	Resp:	53115
Ion	Ratio	Lower	Upper
119	100		
91	82.9	66.0	99.0
134	20.6	16.7	25.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#66

Benzyl Chloride

Concen: 0.520 ppbv

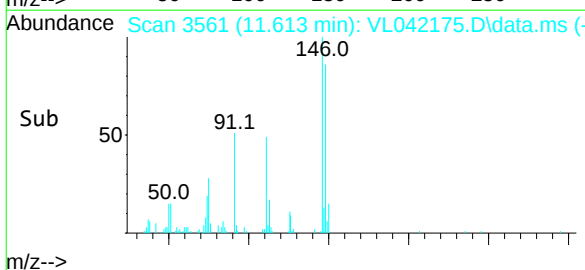
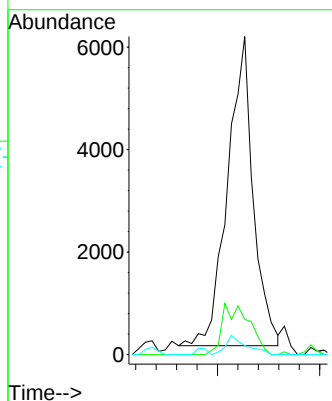
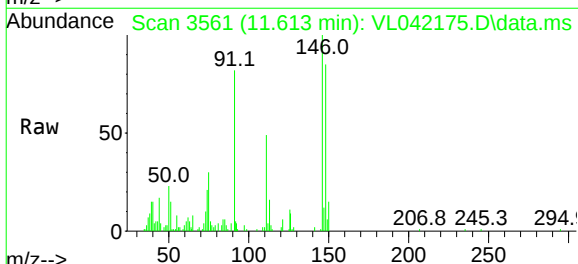
RT: 11.613 min Scan# 3561

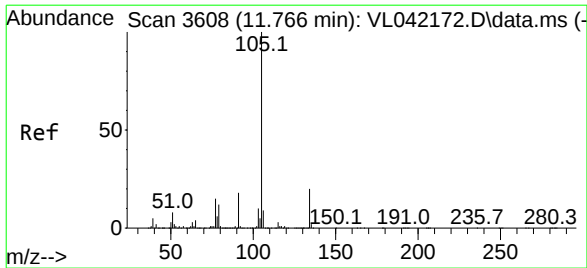
Delta R.T. 0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Tgt Ion:	91	Resp:	5263
Ion	Ratio	Lower	Upper
91	100		
126	18.7	13.8	20.6
128	5.8	4.5	6.7





#67

sec-Butylbenzene

Concen: 0.550 ppbv

RT: 11.762 min Scan# 3608

Delta R.T. -0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

Tgt Ion: 105 Resp: 72879

Ion Ratio Lower Upper

105 100

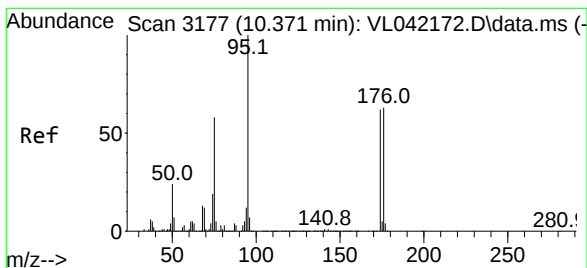
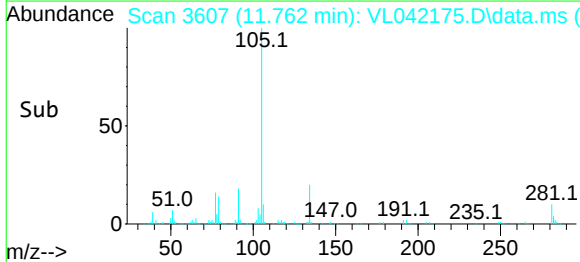
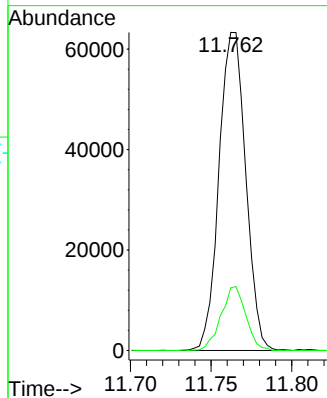
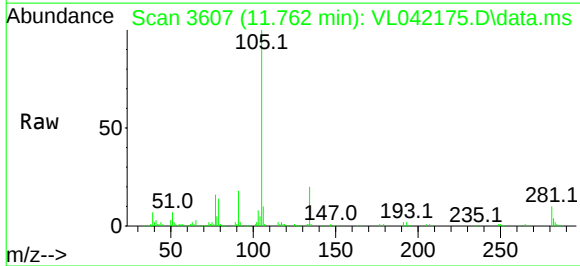
134 18.6 15.5 23.3

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025

Supervised By : Mahesh Dadoda 04/03/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.130 ppbv

RT: 10.370 min Scan# 3177

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

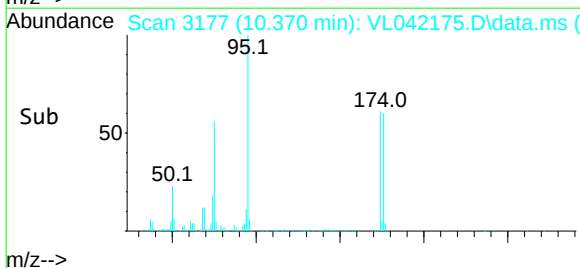
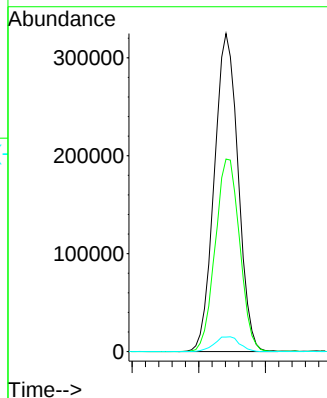
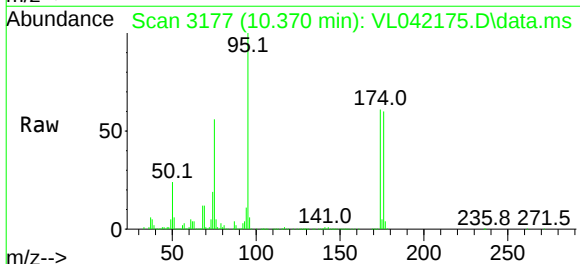
Tgt Ion: 95 Resp: 403513

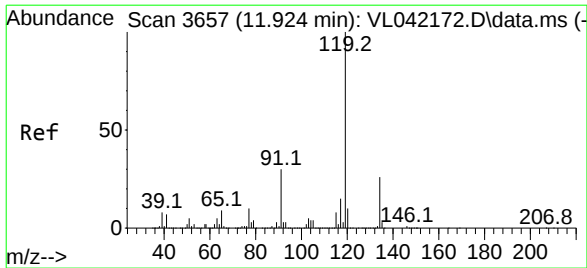
Ion Ratio Lower Upper

95 100

174 62.3 50.6 76.0

175 4.9 3.8 5.6





#69

p-Isopropyltoluene

Concen: 0.542 ppbv

RT: 11.921 min Scan# 3657

Delta R.T. -0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

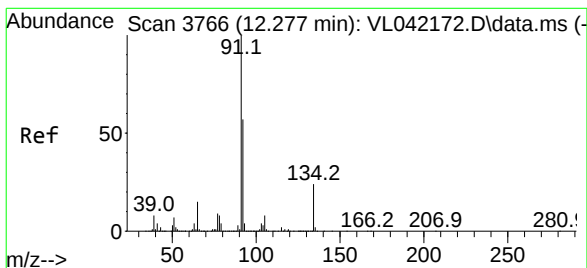
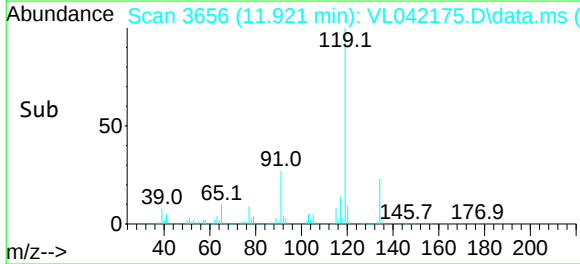
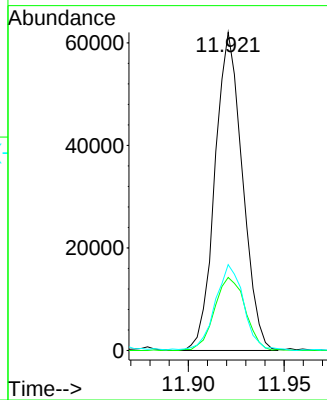
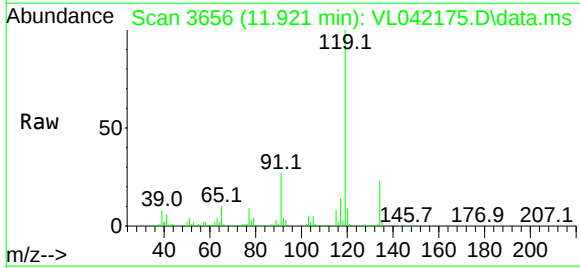
VSTDIC0.5

Tgt Ion:	119	Resp:	61933
Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.4	30.6
91	29.4	23.7	35.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#70

n-Butylbenzene

Concen: 0.527 ppbv

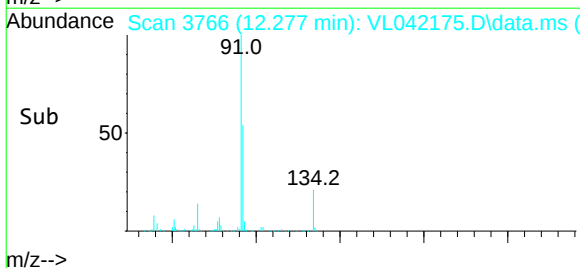
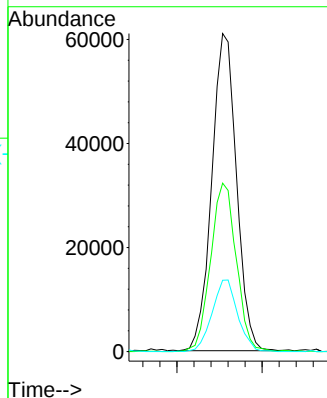
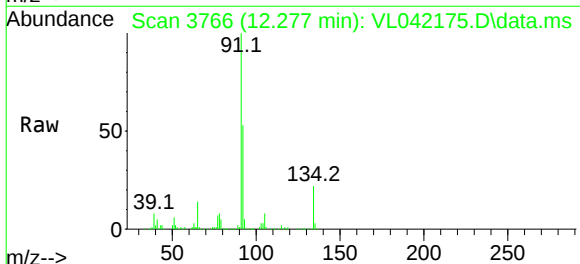
RT: 12.277 min Scan# 3766

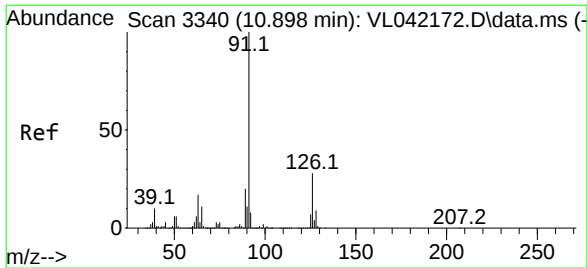
Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Tgt Ion:	91	Resp:	61507
Ion	Ratio	Lower	Upper
91	100		
92	55.3	44.9	67.3
134	23.4	19.2	28.8





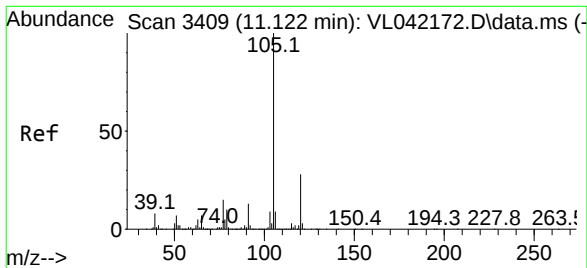
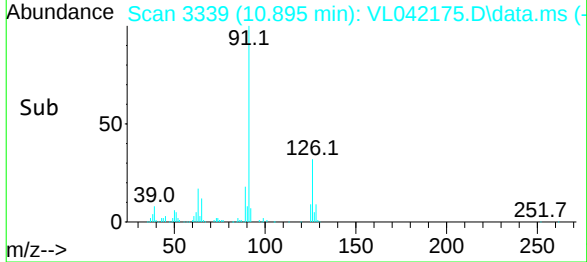
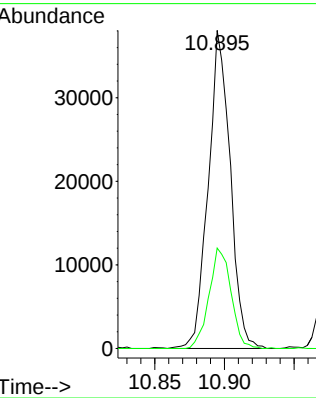
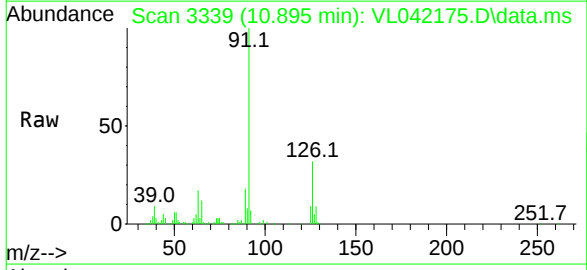
#71
2-Chlorotoluene
Concen: 0.520 ppbv
RT: 10.895 min Scan# 3339
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

Tgt Ion:	91	Resp:	41637
Ion	Ratio	Lower	Upper
91	100		
126	31.7	11.6	46.4

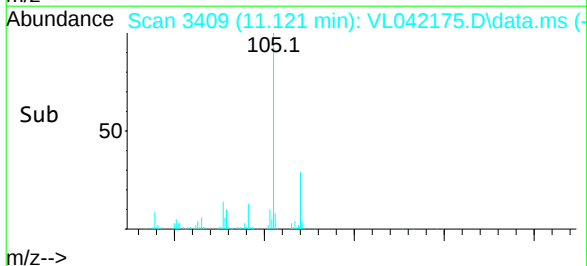
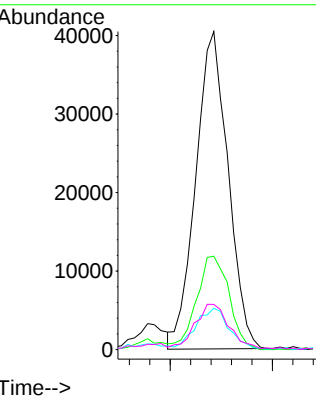
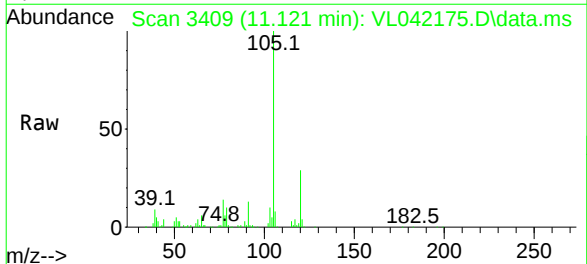
Manual Integrations
APPROVED

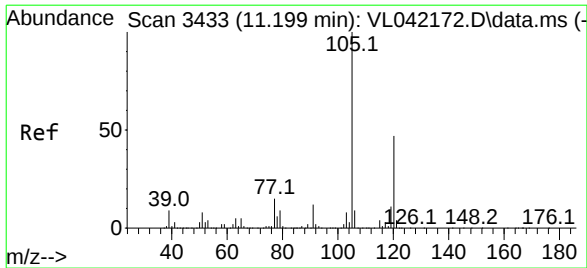
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#72
4-Ethyltoluene
Concen: 0.518 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:	105	Resp:	44473
Ion	Ratio	Lower	Upper
105	100		
120	32.3	23.4	35.0
91	14.9	10.3	15.5
77	17.8	11.4	17.2





#73

1,3,5-Trimethylbenzene

Concen: 0.523 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 39190

Ion Ratio Lower Upper

105 100

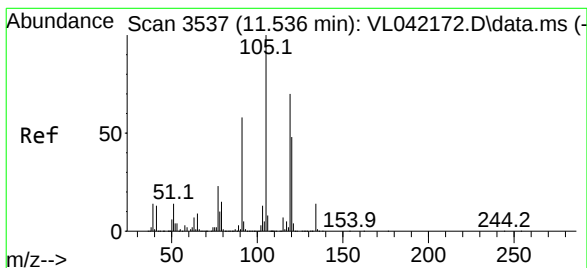
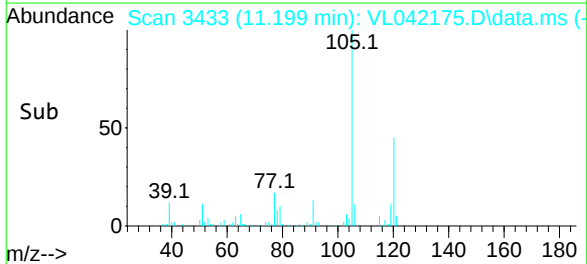
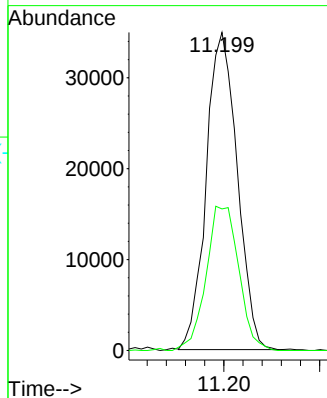
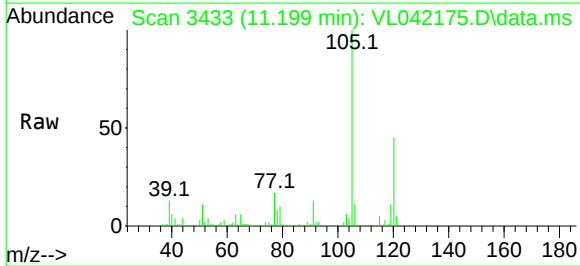
120 44.6 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.560 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Tgt Ion:105 Resp: 48370

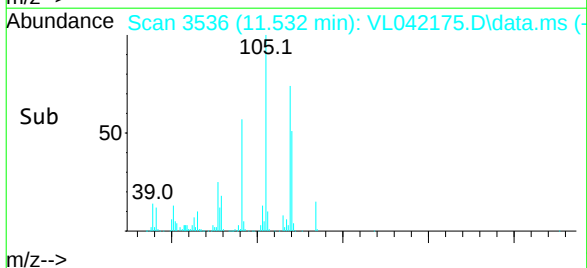
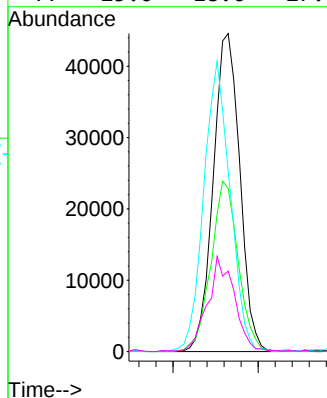
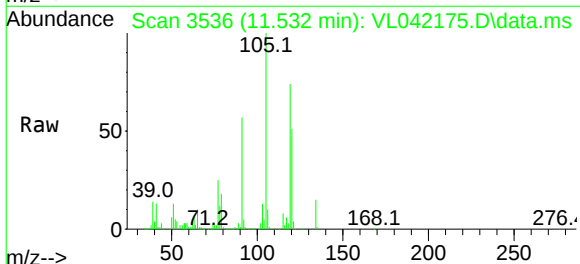
Ion Ratio Lower Upper

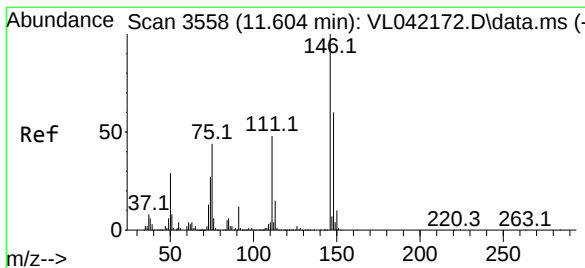
105 100

120 51.3 38.6 58.0

91 56.5 46.2 69.2

77 25.0 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 0.530 ppbv

RT: 11.600 min Scan# 3558

Delta R.T. -0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

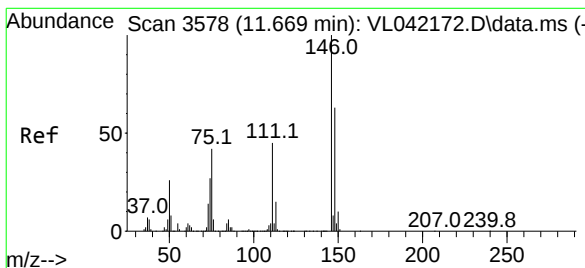
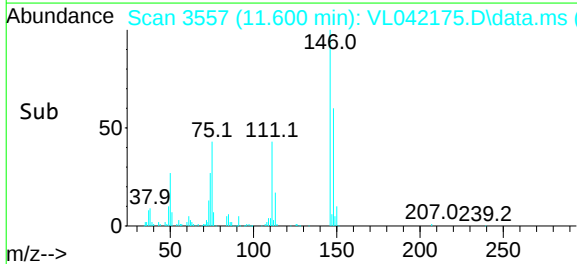
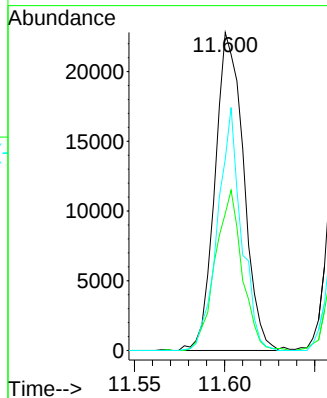
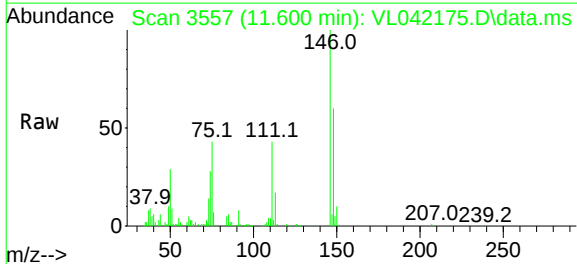
VSTDIC0.5

Tgt	Ion:146	Resp:	25122
Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.8	71.2
148	63.7	31.9	95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#76

1,4-Dichlorobenzene

Concen: 0.530 ppbv

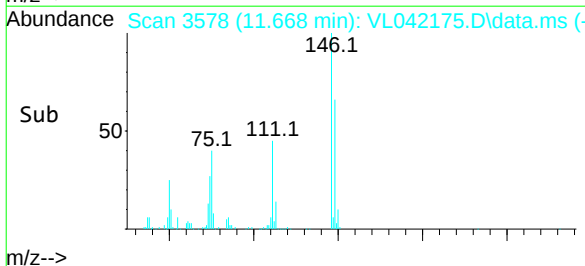
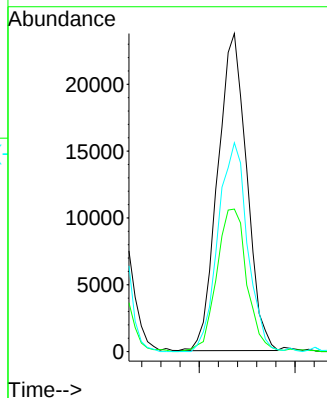
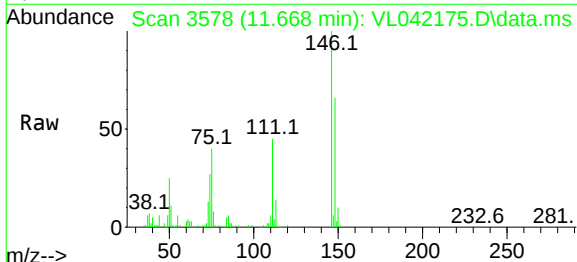
RT: 11.668 min Scan# 3578

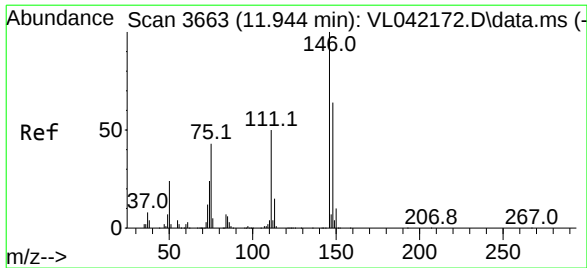
Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Tgt	Ion:146	Resp:	24991
Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.0	69.0
148	67.5	31.9	95.7





#77

1,2-Dichlorobenzene

Concen: 0.532 ppbv

RT: 11.943 min Scan# 3663

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

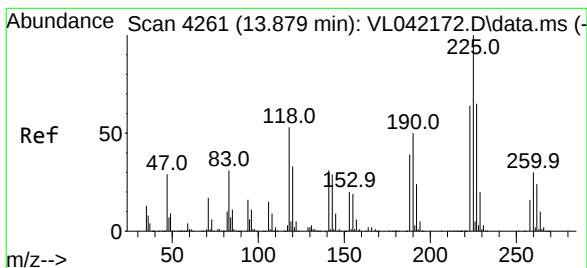
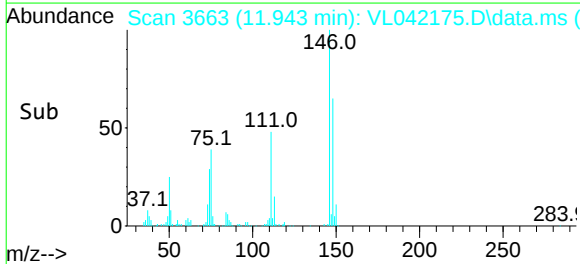
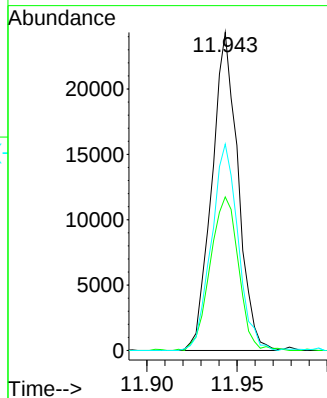
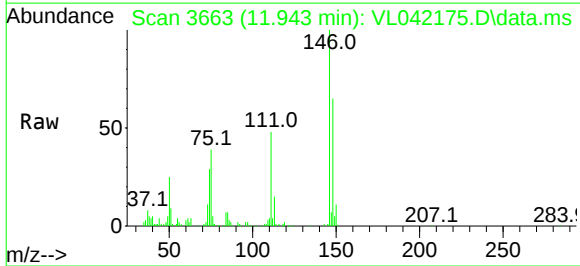
VSTDIC0.5

Tgt Ion:	146	Resp:	24548
Ion Ratio	Lower	Upper	
146	100		
111	52.2	24.8	74.3
148	66.6	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.546 ppbv

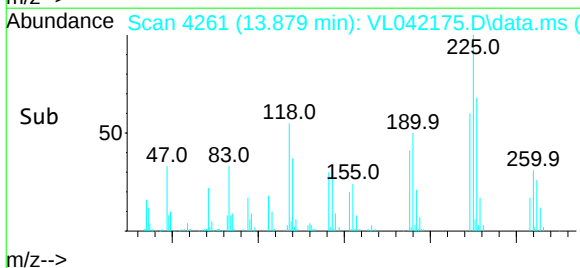
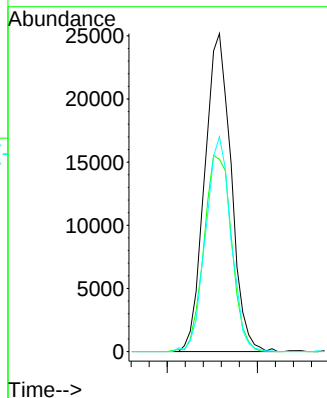
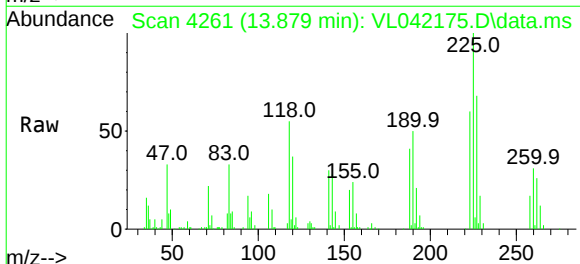
RT: 13.879 min Scan# 4261

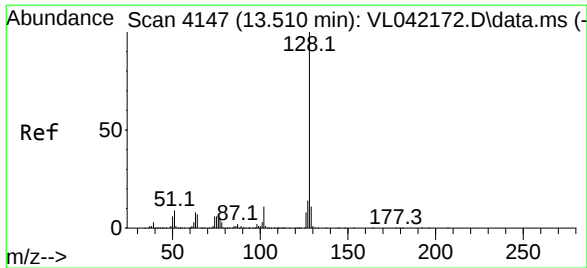
Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

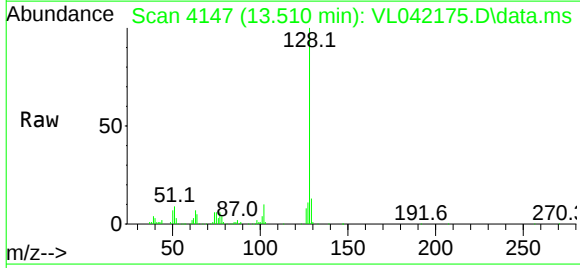
Tgt Ion:	225	Resp:	25636
Ion Ratio	Lower	Upper	
225	100		
223	64.5	50.6	76.0
227	64.8	51.2	76.8





#79
Naphthalene
Concen: 0.508 ppbv
RT: 13.510 min Scan# 4147
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

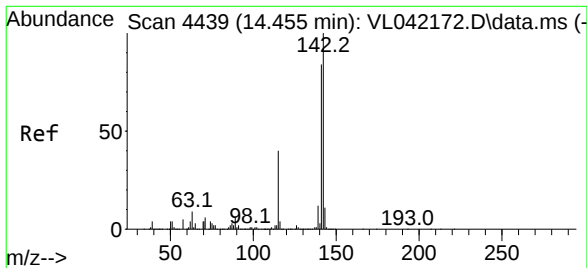
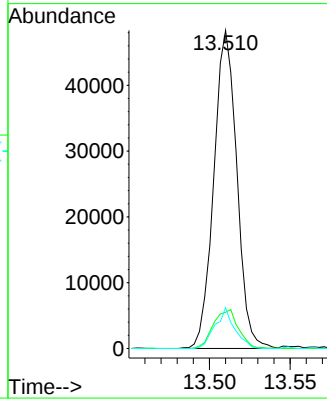
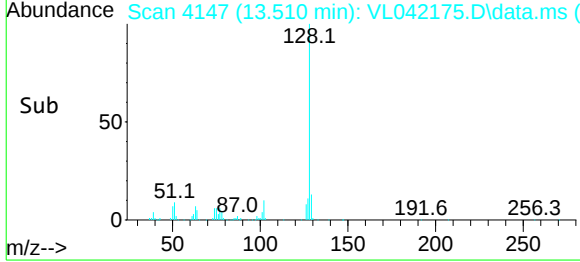
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



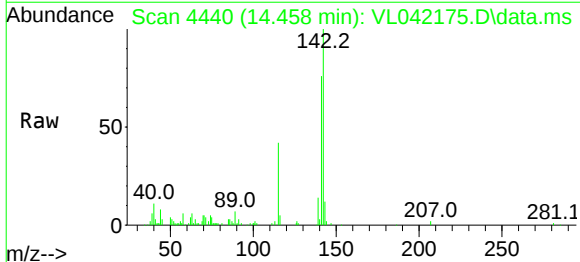
Tgt Ion:128 Resp: 47996
Ion Ratio Lower Upper
128 100
127 11.4 10.8 16.2
129 12.8 9.0 13.4

Manual Integrations
APPROVED

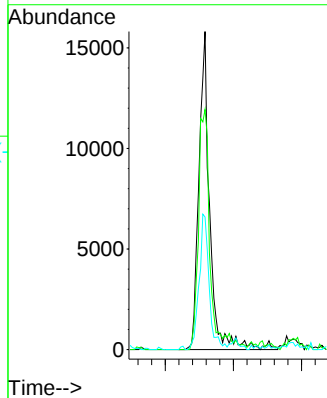
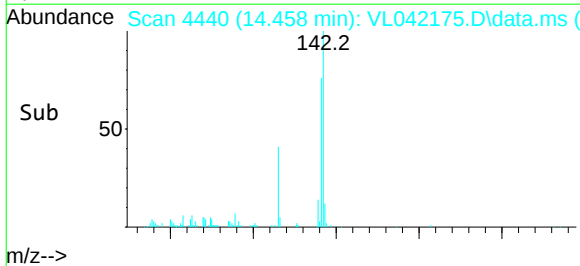
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

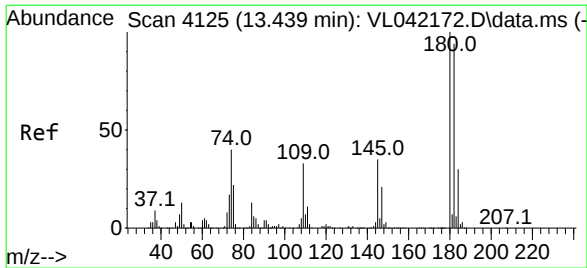


#80
Naphthalene, 2-methyl-
Concen: 0.380 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01



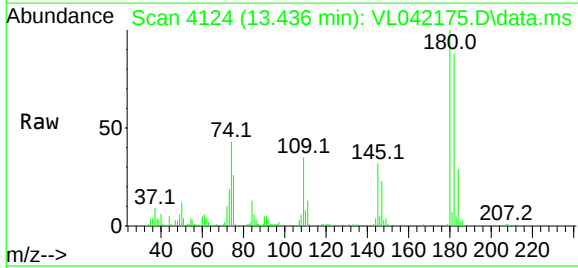
Tgt Ion:142 Resp: 17486
Ion Ratio Lower Upper
142 100
141 83.3 66.3 99.5
115 43.5 31.6 47.4





#81
1,2,4-Trichlorobenzene
Concen: 0.457 ppbv
RT: 13.436 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:180 Resp: 19924
Ion Ratio Lower Upper
180 100
182 97.9 75.1 112.7
184 31.1 24.4 36.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

