

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042352.D
 Acq On : 17 Apr 2025 11:19
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Apr 18 01:28:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025
 QLast Update : Fri Apr 18 01:24:29 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025

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

Internal Standards						
1) Bromochloromethane	2.784	49	120542	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	353137	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	321644	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.374	95	265161	10.032	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.499	85	11036	0.518	ppbv	92
3) Chlorodifluoromethane	1.476	51	11304	0.557	ppbv #	84
4) Chloromethane	1.531	50	4534	0.538	ppbv	97
5) Vinyl Chloride	1.580	62	4406	0.480	ppbv	97
6) Bromomethane	1.667	94	2394	0.602	ppbv	95
7) Chloroethane	1.703	64	1824	0.550	ppbv #	87
8) Dichlorotetrafluoroethane	1.554	85	9381	0.513	ppbv	99
9) Propene	1.483	41	5303	0.574	ppbv	93
10) Heptane	4.978	43	14728m	0.593	ppbv	
11) Trichlorofluoromethane	1.877	101	10150	0.501	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.136	101	8371	0.506	ppbv	93
13) Ethanol	1.719	45	1656m	2.194	ppbv	
14) Bromoethene	1.780	108	3238	0.519	ppbv #	93
15) Acetone	1.835	43	11859	0.601	ppbv #	74
16) 1,3-Butadiene	1.609	39	6120	0.660	ppbv #	82
17) tert-Butyl alcohol	2.043	59	13640	0.558	ppbv #	85
18) 1,1-Dichloroethene	2.033	96	4430	0.556	ppbv #	87
19) Isopropyl Alcohol	1.884	45	6327	0.577	ppbv #	39
20) Methylene Chloride	2.059	84	5273	0.682	ppbv	93
21) Allyl Chloride	2.094	41	7692	0.565	ppbv #	81
22) trans-1,2-Dichloroethene	2.340	96	4908	0.557	ppbv	92
23) Vinyl Acetate	2.460	43	3953	0.495	ppbv #	57
24) 1,1-Dichloroethane	2.408	63	8753	0.523	ppbv #	94
25) Ethyl Acetate	2.835	43	26686	0.548	ppbv #	93
26) Hexane	2.823	57	11448	0.581	ppbv	91
27) Carbon Disulfide	2.149	76	11472	0.544	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	6833	0.530	ppbv #	32
29) Chloroform	2.848	83	14815	0.532	ppbv	93
30) Cyclohexane	3.852	84	8572	0.541	ppbv	94
31) cis-1,2-Dichloroethene	2.722	61	9571	0.511	ppbv	96
32) 1,1,1-Trichloroethane	3.370	97	15413	0.516	ppbv	97
34) 2-Butanone	2.560	43	15640	0.560	ppbv	97
35) Carbon Tetrachloride	3.761	117	14683	0.459	ppbv	87
36) Benzene	3.651	78	20233	0.531	ppbv	97
37) 1,2-Dichloroethane	3.217	62	12194	0.533	ppbv #	95
38) Trichloroethene	4.551	130	7819	0.468	ppbv #	78
39) 1,2-Dichloropropane	4.308	63	7790m	0.548	ppbv	
40) 1,4-Dioxane	4.599	88	4637m	0.603	ppbv	
41) Tetrahydrofuran	3.062	42	9144m	0.567	ppbv	
42) Bromodichloromethane	4.489	83	16642	0.523	ppbv #	91
43) Methyl Methacrylate	4.881	69	9620m	0.563	ppbv	
44) 2,2,4-Trimethylpentane	4.635	57	34170	0.519	ppbv	91
45) t-1,3-Dichloropropene	6.415	75	9073m	0.517	ppbv	

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 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:28:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

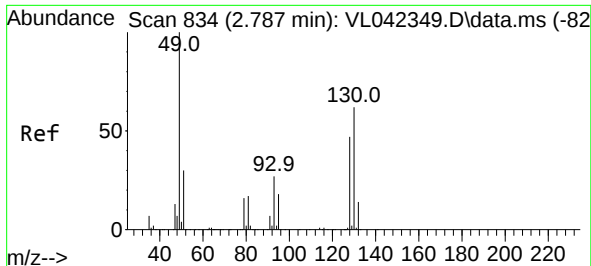
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	10827m	0.505	ppbv	
47) 1,1,2-Trichloroethane	6.577	97	7466m	0.516	ppbv	
48) Dibromochloromethane	7.386	129	13122	0.514	ppbv	97
49) Bromoform	9.477	173	10988	0.492	ppbv	99
50) 4-Methyl-2-Pentanone	5.761	43	27206m	0.585	ppbv	
51) 2-Hexanone	7.441	43	23684	0.564	ppbv	98
52) Tetrachloroethene	8.221	164	7412	0.503	ppbv #	88
53) Toluene	6.927	91	24200	0.529	ppbv	97
54) 1,2-Dibromoethane	7.645	107	10282	0.499	ppbv	84
56) 1,1,1,2-Tetrachloroethane	8.930	131	9987	0.513	ppbv #	1
57) Chlorobenzene	8.917	112	18149m	0.543	ppbv	
58) Ethyl Benzene	9.351	91	32624	0.512	ppbv	97
59) m/p-Xylene	9.532	91	54197m	1.053	ppbv	
60) o-Xylene	9.963	91	27983	0.541	ppbv	99
61) Styrene	9.869	104	12736	0.516	ppbv	96
62) Isopropylbenzene	10.539	105	40481	0.533	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	15920	0.474	ppbv	99
64) n-propylbenzene	10.985	120	10369	0.544	ppbv	97
65) tert-Butylbenzene	11.529	119	37294	0.535	ppbv	93
66) Benzyl Chloride	11.613	91	3878	0.506	ppbv #	91
67) sec-Butylbenzene	11.765	105	52139	0.537	ppbv	97
69) p-Isopropyltoluene	11.924	119	45574	0.541	ppbv	98
70) n-Butylbenzene	12.280	91	48004	0.547	ppbv	99
71) 2-Chlorotoluene	10.898	91	31709	0.533	ppbv	100
72) 4-Ethyltoluene	11.125	105	33048	0.523	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.202	105	30464	0.546	ppbv	99
74) 1,2,4-Trimethylbenzene	11.536	105	37765	0.579	ppbv #	90
75) 1,3-Dichlorobenzene	11.607	146	18003	0.531	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	18300	0.537	ppbv	96
77) 1,2-Dichlorobenzene	11.947	146	17446	0.530	ppbv	95
78) Hexachloro-1,3-Butadiene	13.879	225	18705	0.562	ppbv	98
79) Naphthalene	13.513	128	38521	0.494	ppbv #	92
80) Naphthalene,2-methyl-	14.458	142	21076	0.475	ppbv	96
81) 1,2,4-Trichlorobenzene	13.442	180	16504	0.493	ppbv	97

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

Manual Integrations

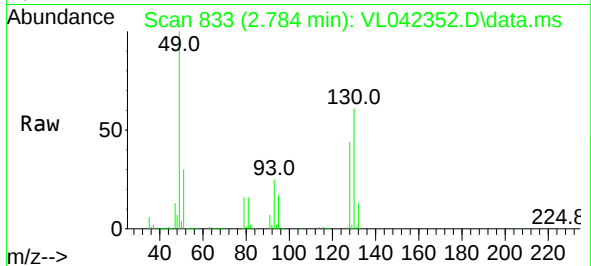
Quant Time: Apr 18 01:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

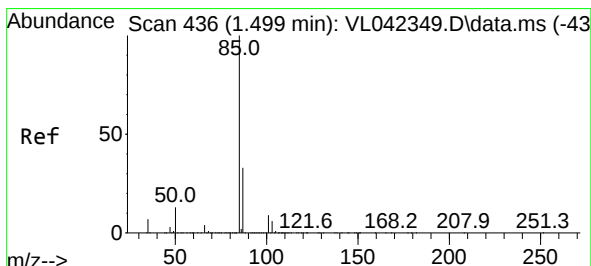
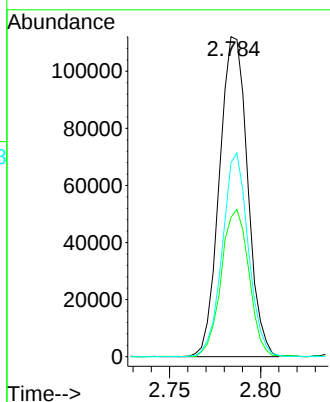
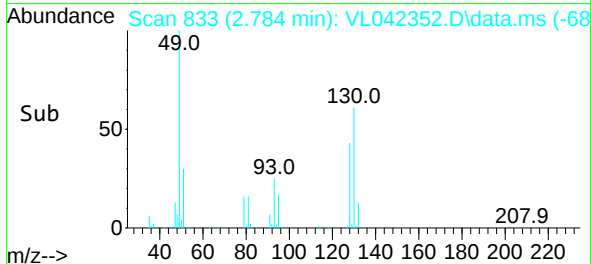
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 49 Resp: 12054
Ion Ratio Lower Upper
49 100
128 45.3 22.8 68.4
130 59.0 29.3 88.0

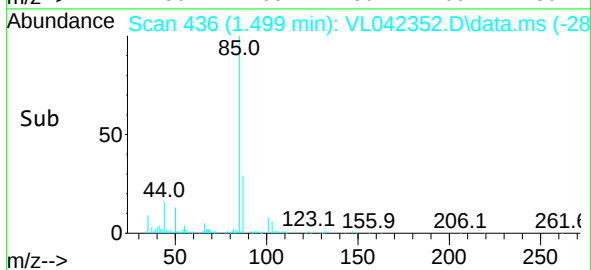
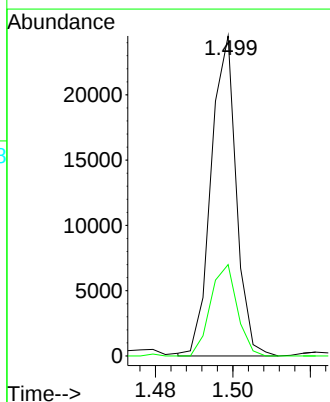
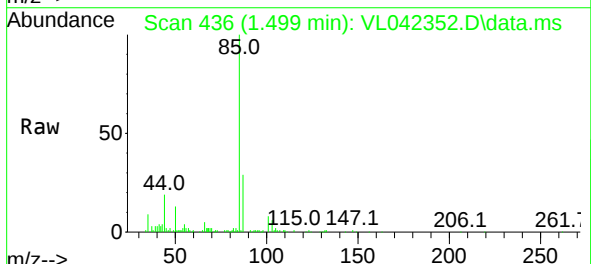
Manual Integrations
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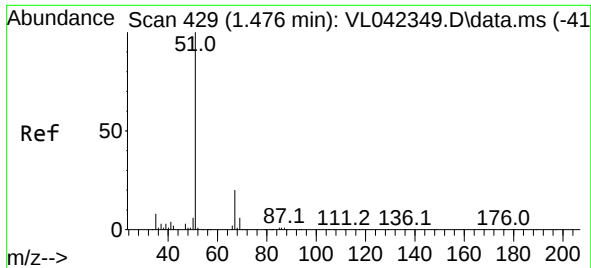
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#2
Dichlorodifluoromethane
Concen: 0.518 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

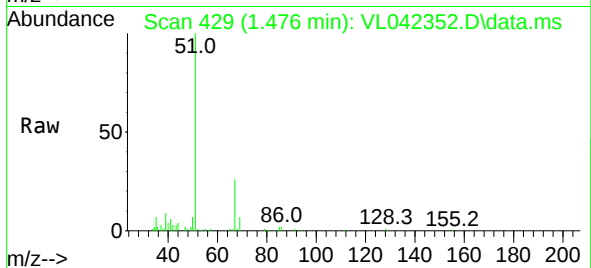
Tgt Ion: 85 Resp: 11036
Ion Ratio Lower Upper
85 100
87 28.6 26.6 39.8





#3
Chlorodifluoromethane
Concen: 0.557 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

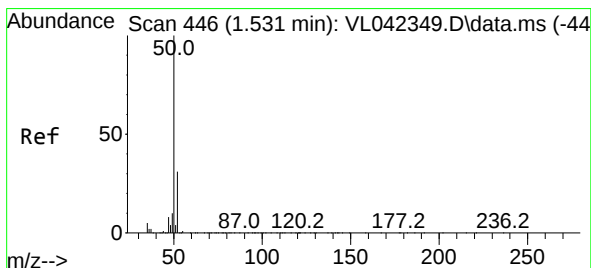
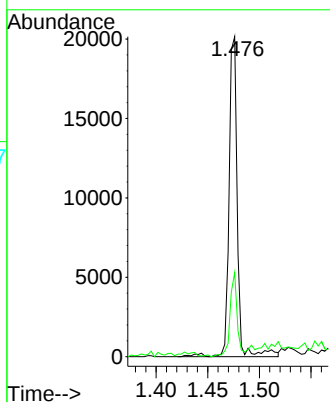
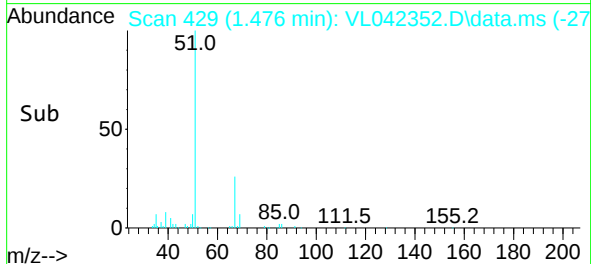
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



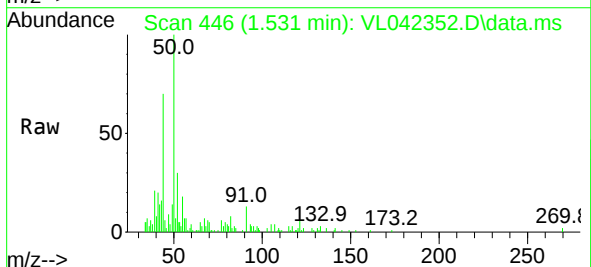
Tgt Ion: 51 Resp: 11304
Ion Ratio Lower Upper
51 100
67 27.8 16.2 24.4

Manual Integrations
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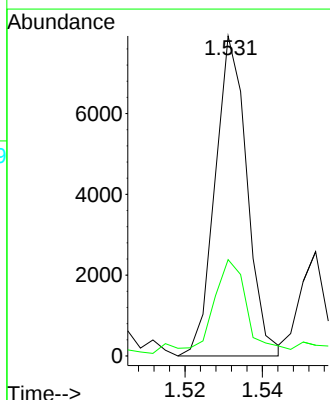
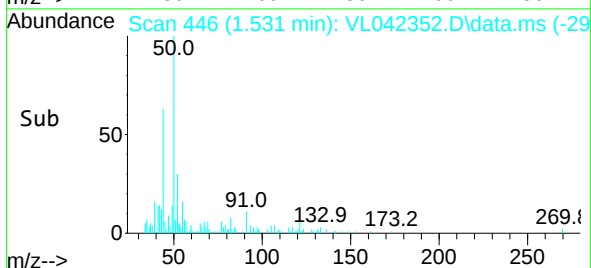
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

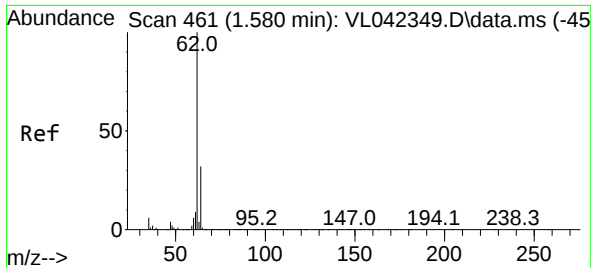


#4
Chloromethane
Concen: 0.538 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



Tgt Ion: 50 Resp: 4534
Ion Ratio Lower Upper
50 100
52 32.8 24.7 37.1





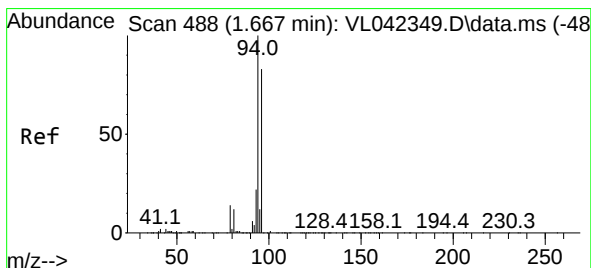
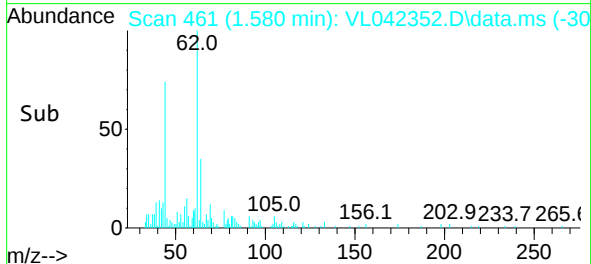
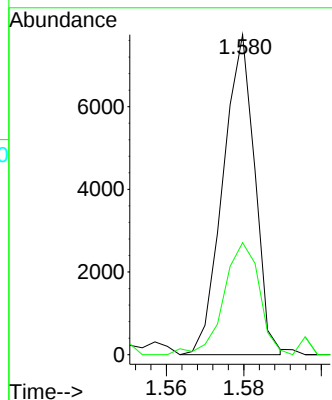
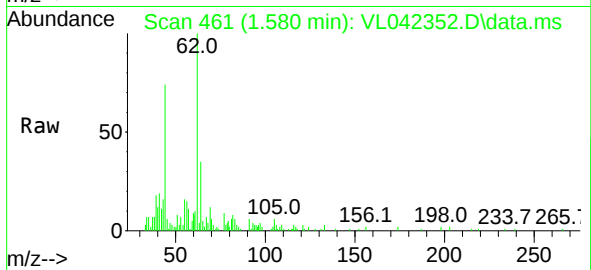
#5
 Vinyl Chloride
 Concen: 0.480 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 62 Resp: 4400
 Ion Ratio Lower Upper
 62 100
 64 33.5 25.4 38.0

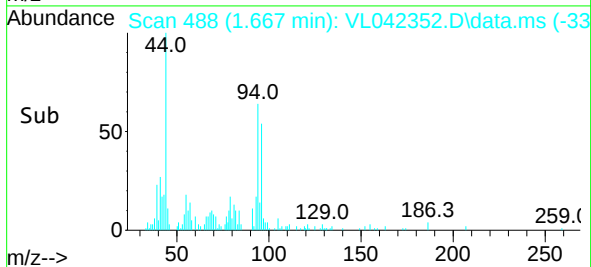
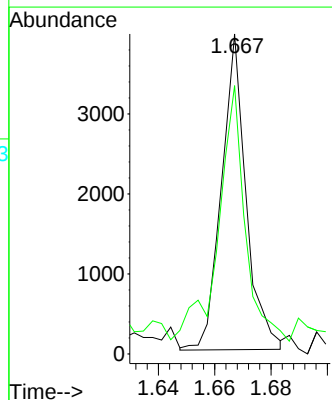
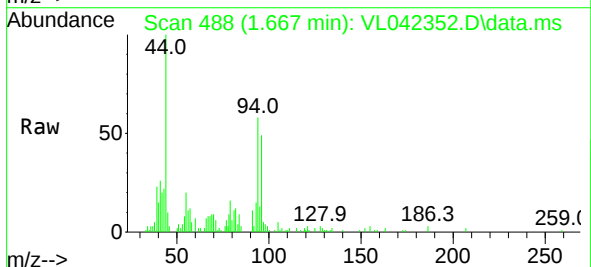
Manual Integrations
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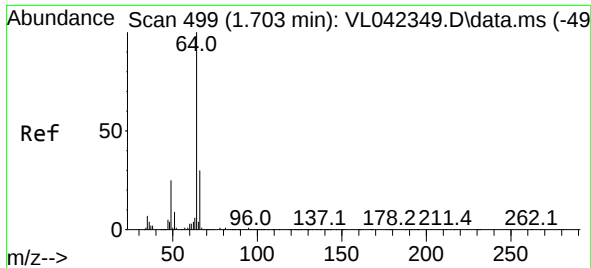
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#6
 Bromomethane
 Concen: 0.602 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19

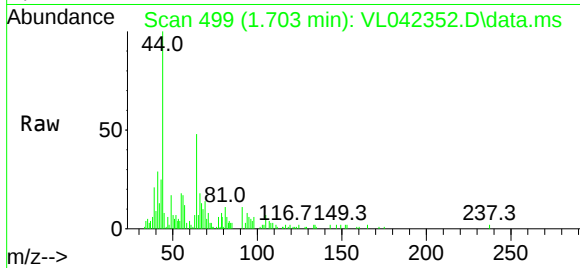
Tgt Ion: 94 Resp: 2394
 Ion Ratio Lower Upper
 94 100
 96 78.1 66.2 99.2





#7
Chloroethane
Concen: 0.550 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

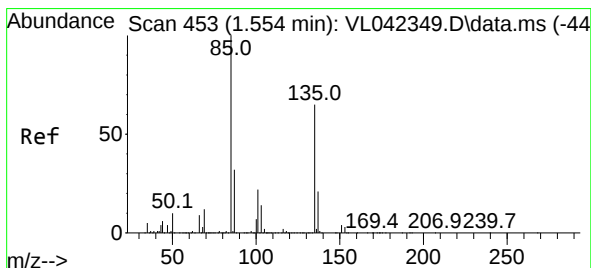
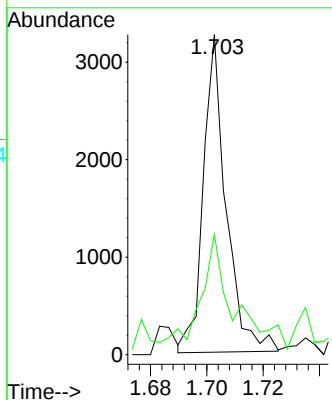
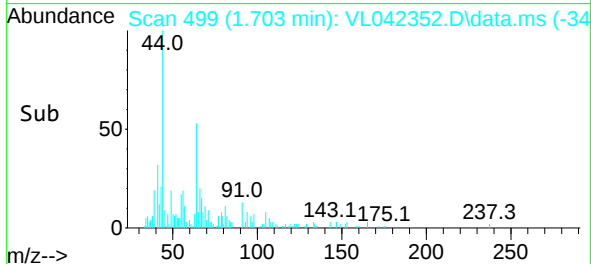
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



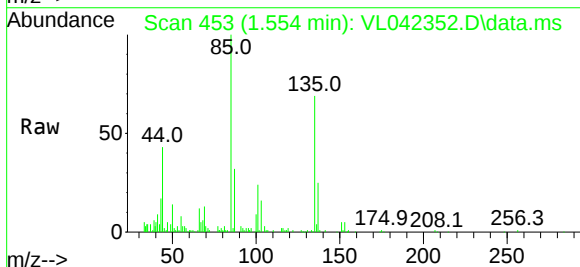
Tgt Ion: 64 Resp: 1824
Ion Ratio Lower Upper
64 100
66 37.7 24.6 37.0

Manual Integrations
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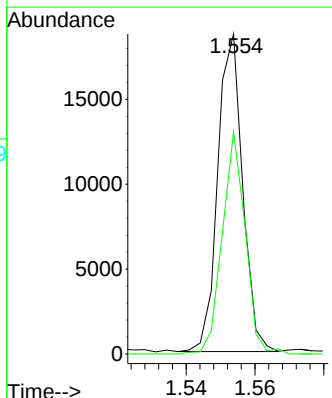
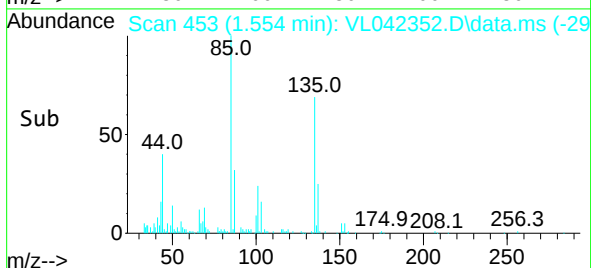
Reviewed By :Semsettin Yesilyurt 04/18/2025
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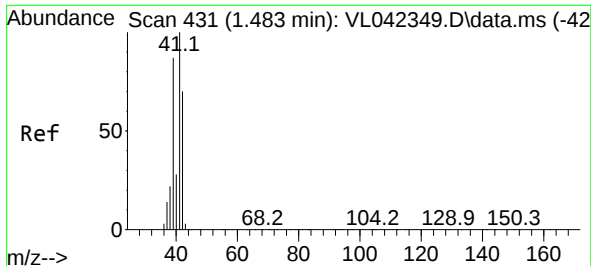


#8
Dichlorotetrafluoroethane
Concen: 0.513 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



Tgt Ion: 85 Resp: 9381
Ion Ratio Lower Upper
85 100
135 66.2 52.2 78.2





#9

Propene

Concen: 0.574 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 41 Resp: 530

Ion Ratio Lower Upper

41 100

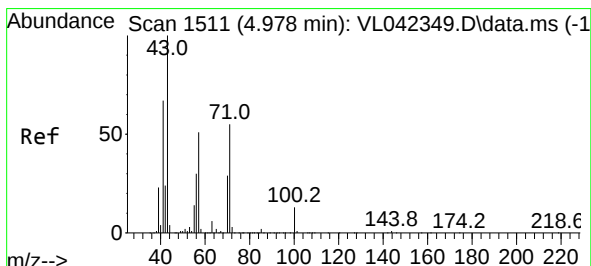
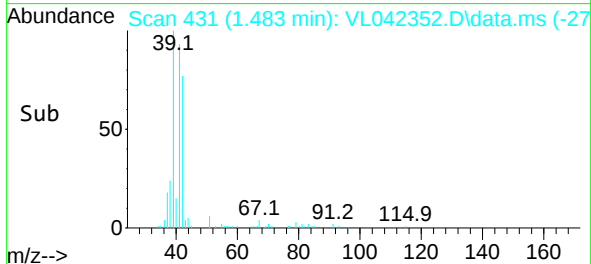
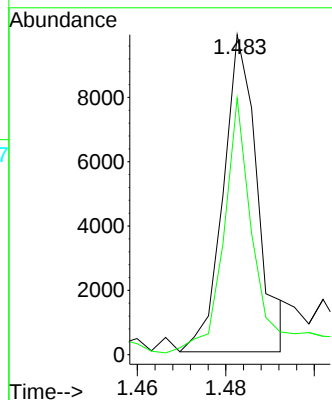
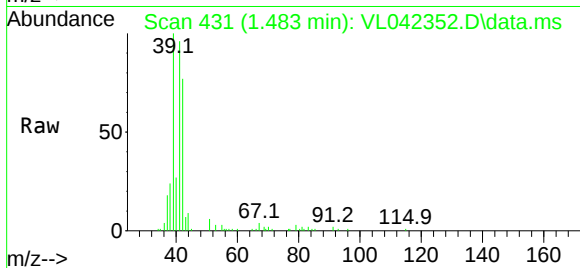
42 64.8 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#10

Heptane

Concen: 0.593 ppbv m

RT: 4.978 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VL042352.D

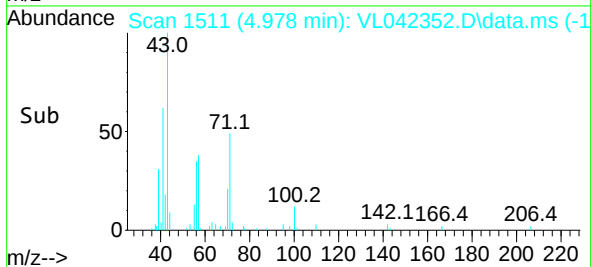
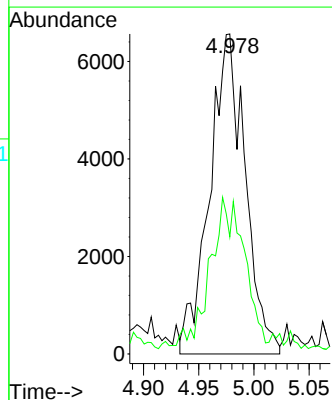
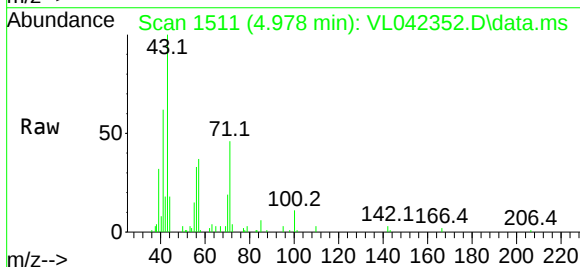
Acq: 17 Apr 2025 11:19

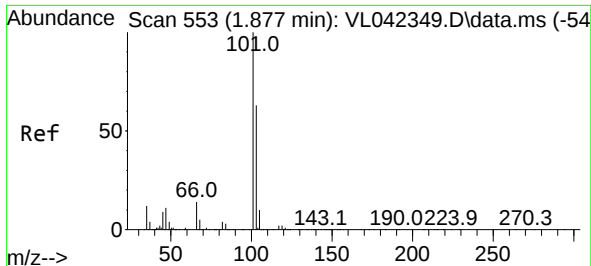
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Ion Ratio Lower Upper

43 100

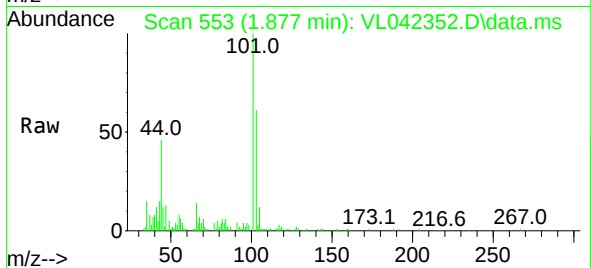
57 51.1 39.9 59.9





#11
 Trichlorofluoromethane
 Concen: 0.501 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19

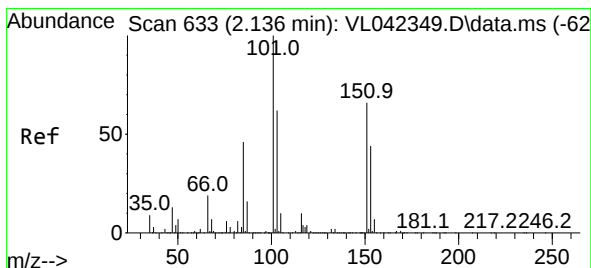
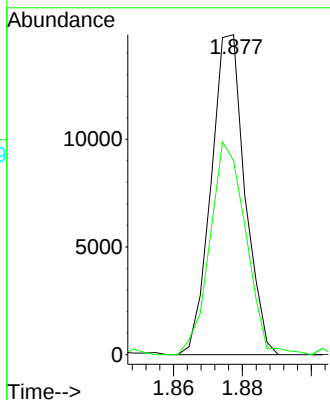
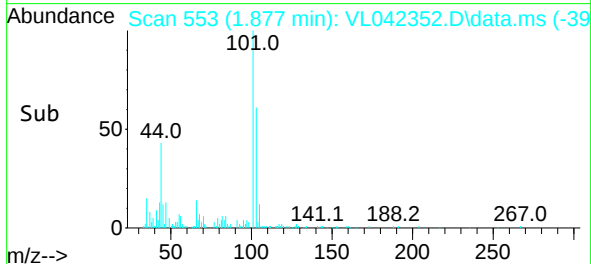
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



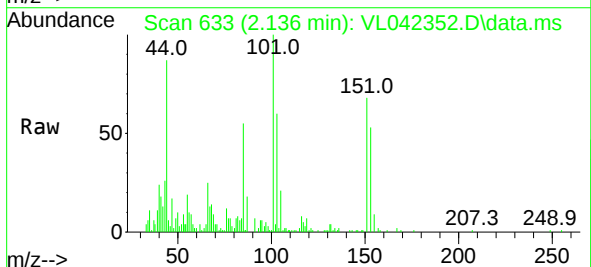
Tgt Ion:101 Resp: 10150
 Ion Ratio Lower Upper
 101 100
 103 60.6 50.1 75.1

Manual Integrations
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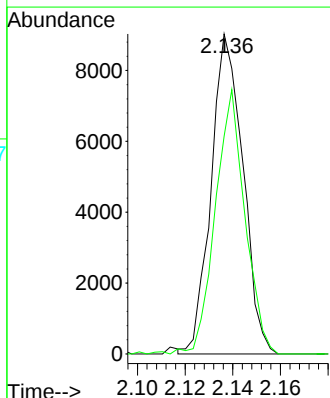
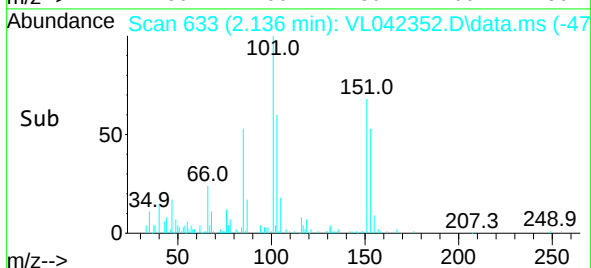
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

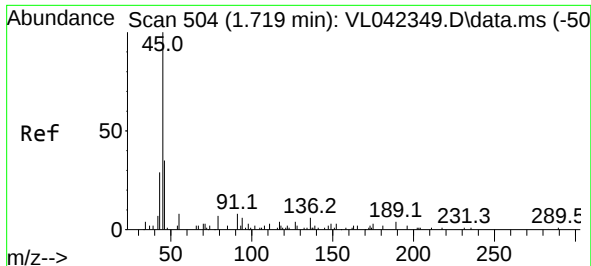


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.506 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.000 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19



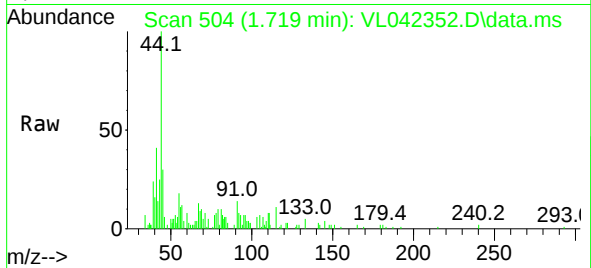
Tgt Ion:101 Resp: 8371
 Ion Ratio Lower Upper
 101 100
 151 77.4 57.0 85.6





#13
Ethanol
Concen: 2.194 ppbv m
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

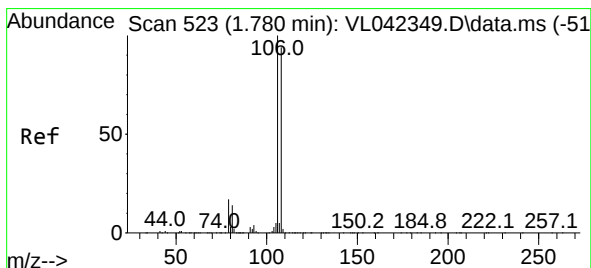
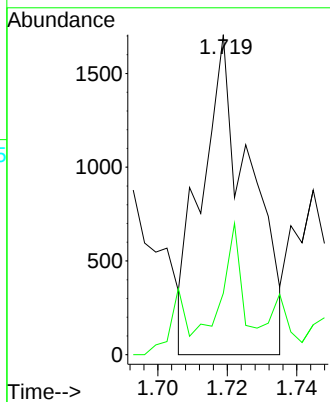
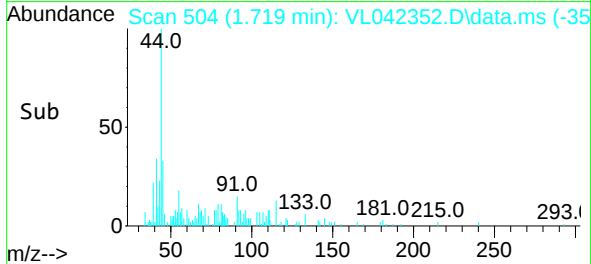
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



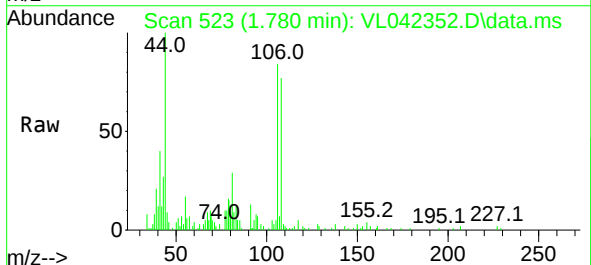
Tgt Ion: 45 Resp: 1650
Ion Ratio Lower Upper
45 100
46 0.0 21.9 87.7

Manual Integrations
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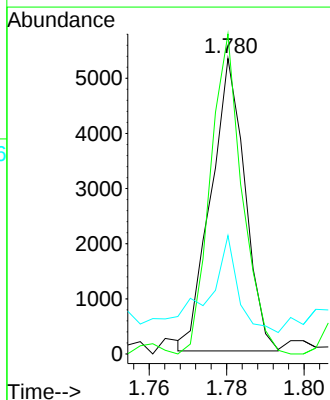
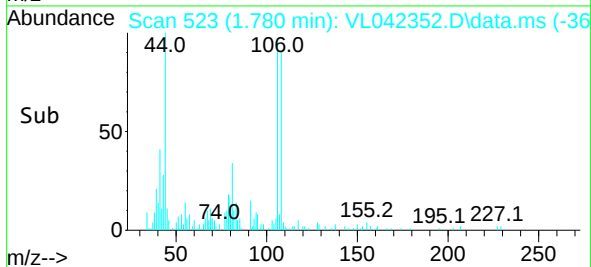
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

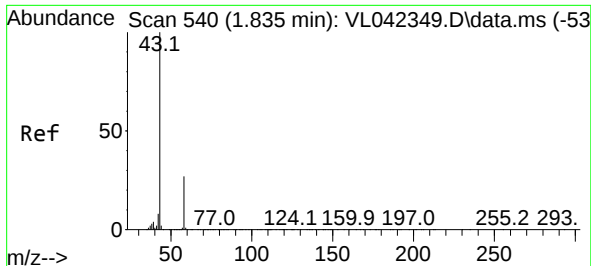


#14
Bromoethene
Concen: 0.519 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



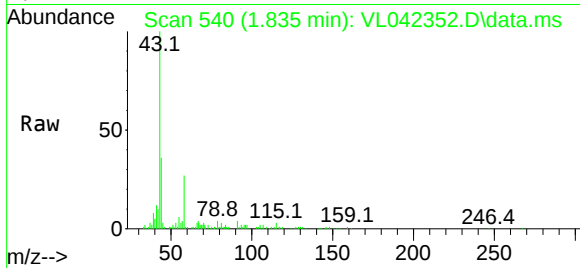
Tgt Ion:108 Resp: 3238
Ion Ratio Lower Upper
108 100
106 110.3 85.9 128.9
79 33.0 13.9 20.9





#15
Acetone
Concen: 0.601 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

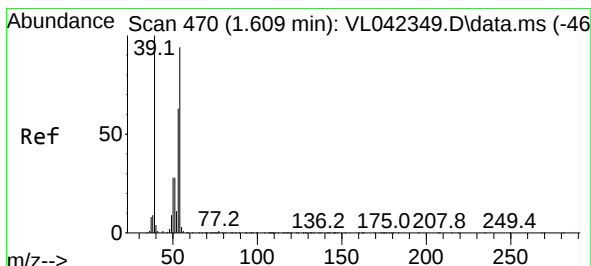
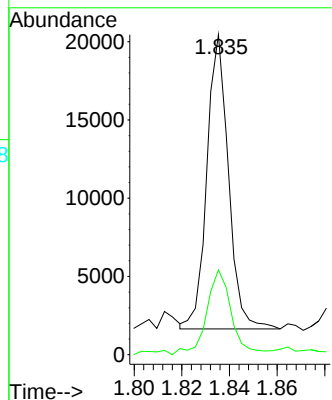
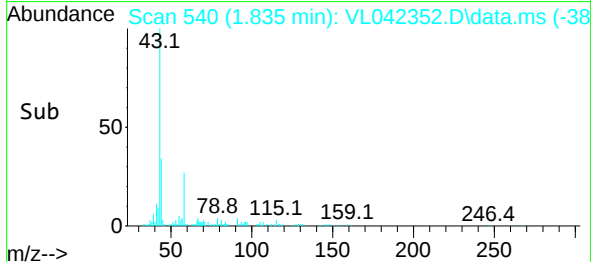
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



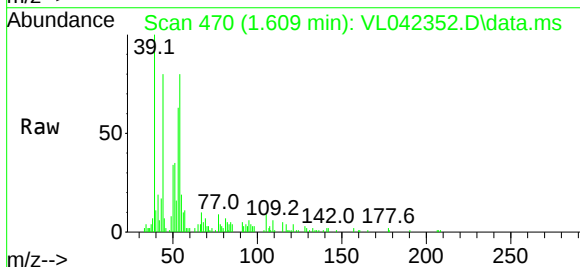
Tgt Ion: 43 Resp: 11859
Ion Ratio Lower Upper
43 100
58 41.7 22.4 33.6

Manual Integrations
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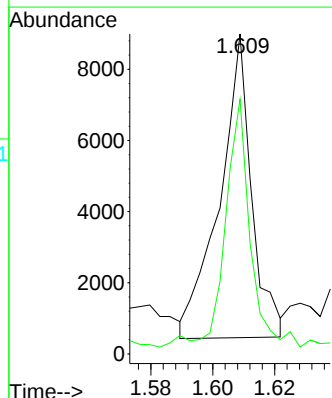
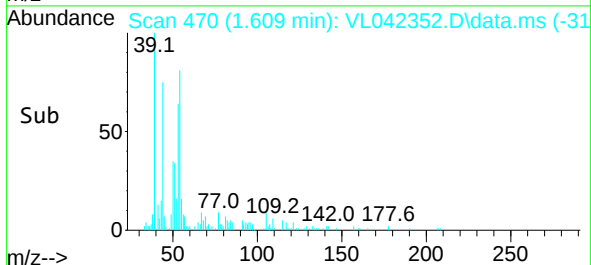
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

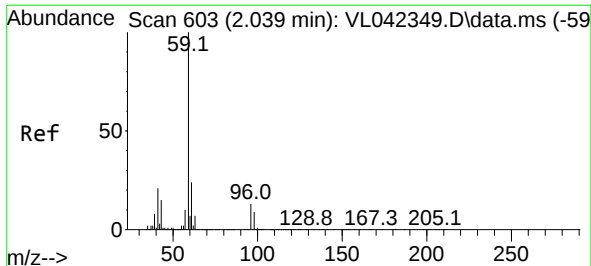


#16
1,3-Butadiene
Concen: 0.660 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



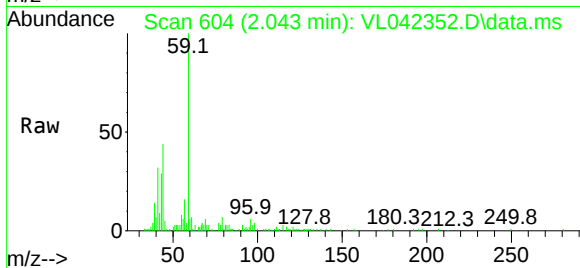
Tgt Ion: 39 Resp: 6120
Ion Ratio Lower Upper
39 100
54 64.7 64.9 97.3





#17
tert-Butyl alcohol
Concen: 0.558 ppbv
RT: 2.043 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

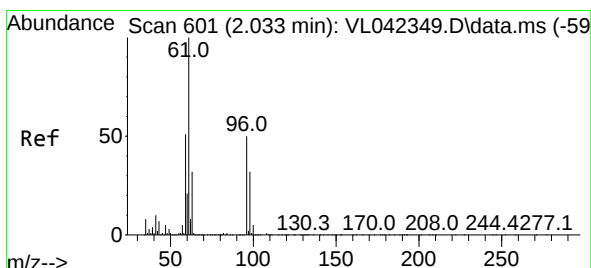
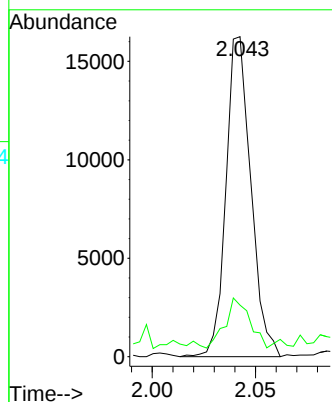
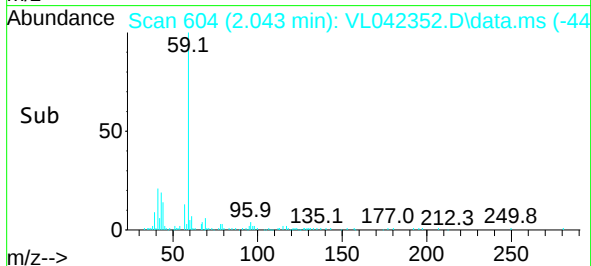
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



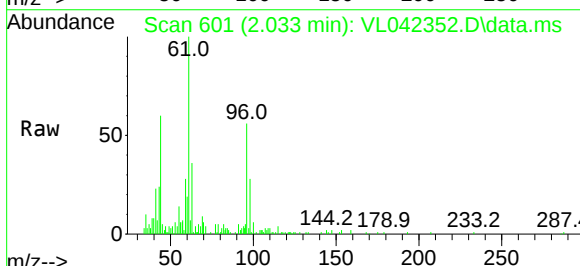
Tgt Ion: 59 Resp: 13640
Ion Ratio Lower Upper
59 100
57 16.5 8.7 13.1

Manual Integrations
APPROVED

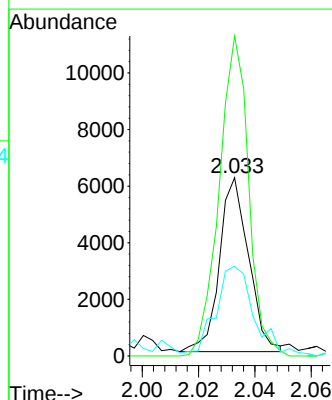
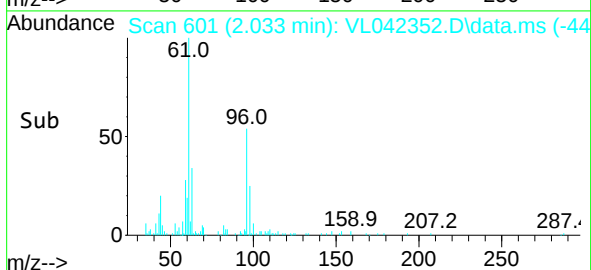
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

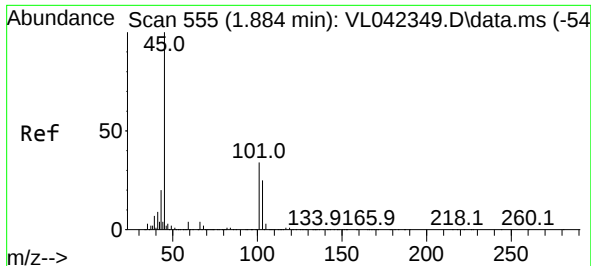


#18
1,1-Dichloroethene
Concen: 0.556 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



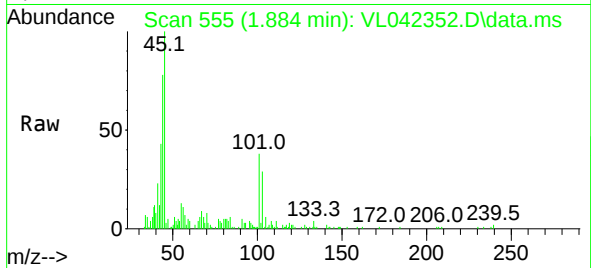
Tgt Ion: 96 Resp: 4430
Ion Ratio Lower Upper
96 100
61 183.9 160.2 240.2
98 49.7 51.0 76.4





#19
Isopropyl Alcohol
Concen: 0.577 ppbv
RT: 1.884 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

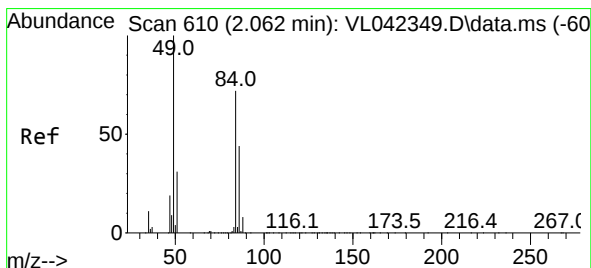
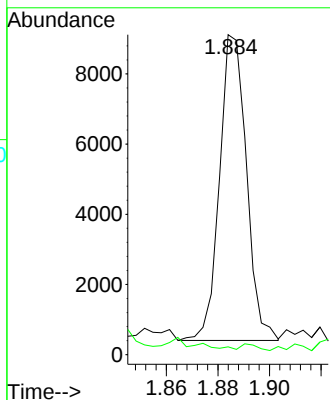
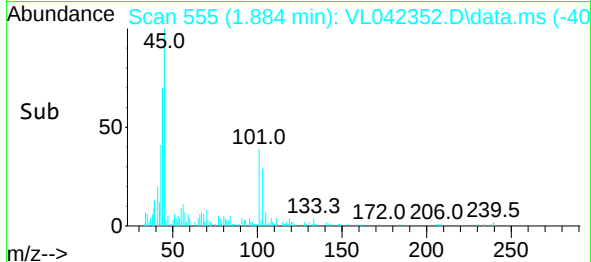
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



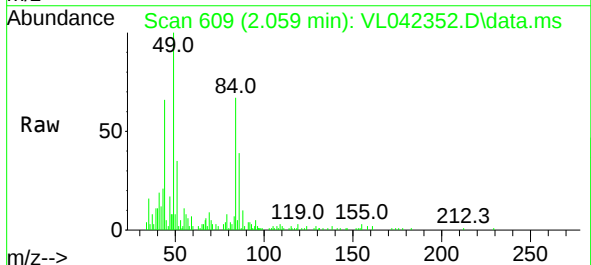
Tgt Ion: 45 Resp: 632
Ion Ratio Lower Upper
45 100
58 3.8 34.5 51.7

Manual Integrations
APPROVED

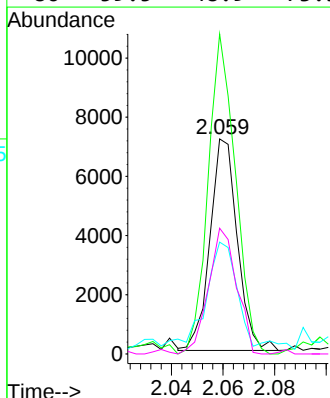
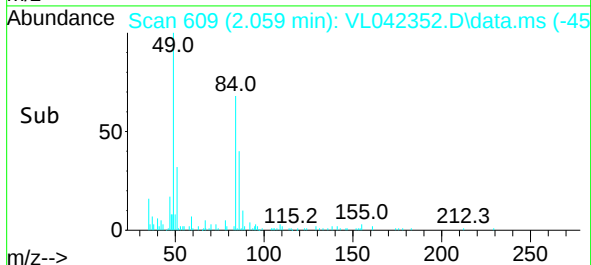
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

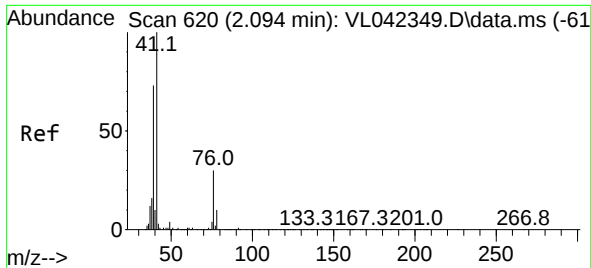


#20
Methylene Chloride
Concen: 0.682 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



Tgt Ion: 84 Resp: 5273
Ion Ratio Lower Upper
84 100
49 151.3 111.6 167.4
51 48.1 35.1 52.7
86 59.5 48.9 73.3





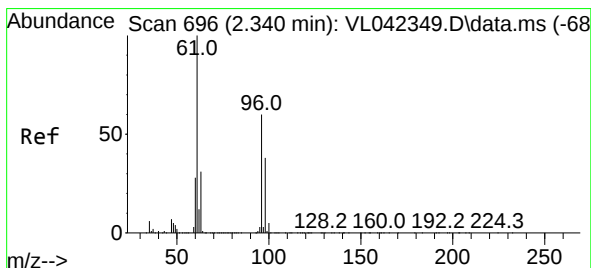
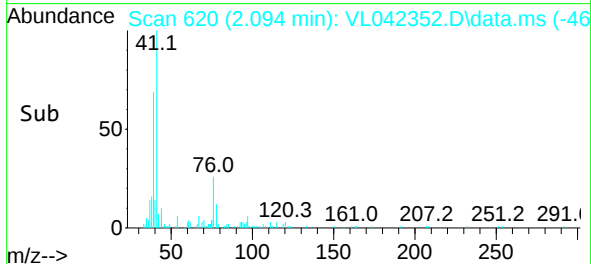
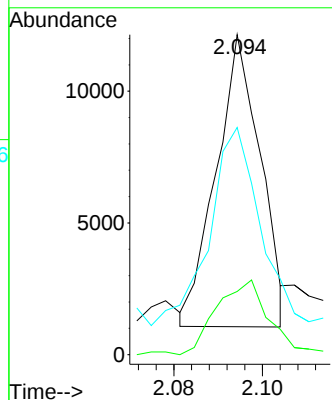
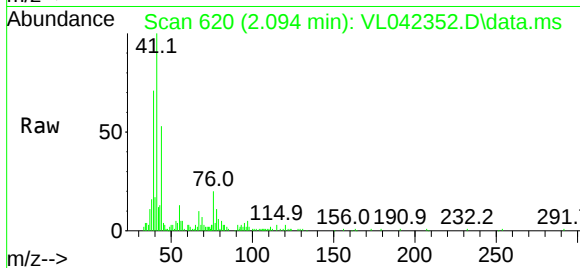
#21
 Allyl Chloride
 Concen: 0.565 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 7692
 Ion Ratio Lower Upper
 41 100
 76 31.1 24.8 37.2
 39 98.8 60.6 90.8

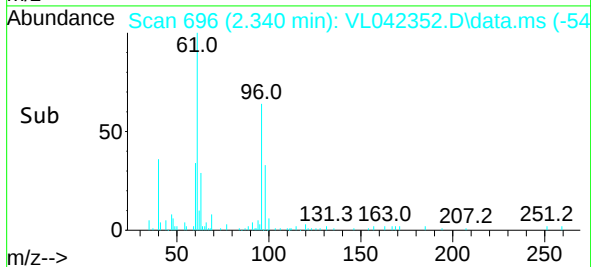
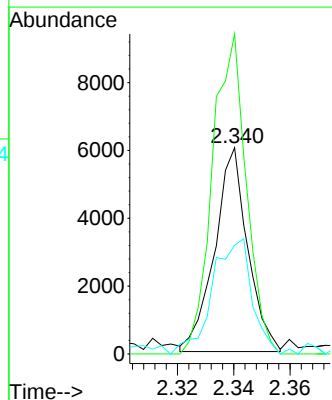
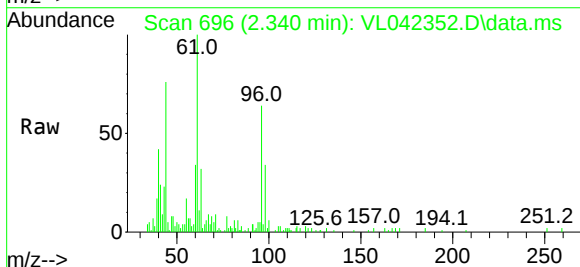
Manual Integrations
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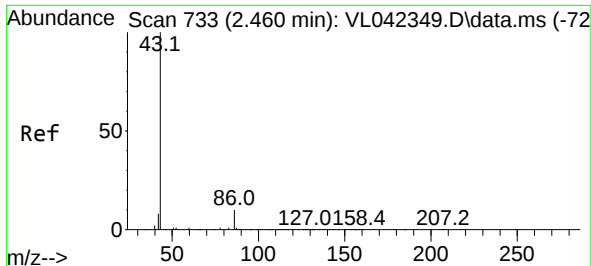
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.557 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.000 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19

Tgt Ion: 96 Resp: 4908
 Ion Ratio Lower Upper
 96 100
 61 158.7 133.7 200.5
 98 54.0 50.3 75.5





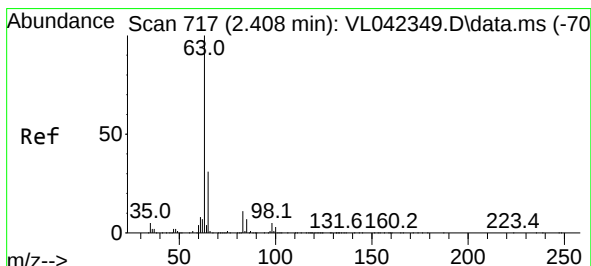
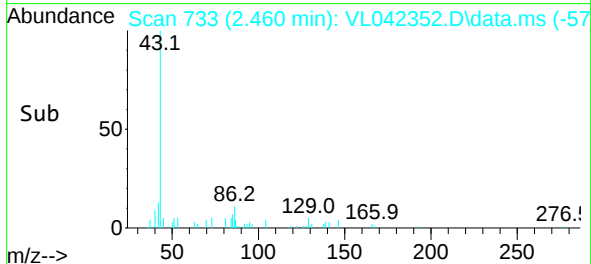
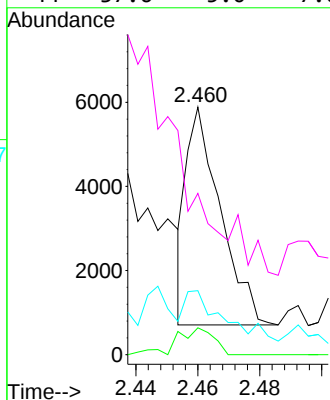
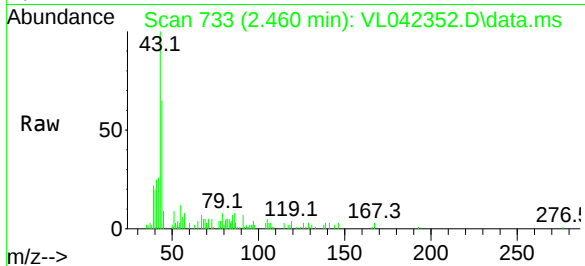
#23
 Vinyl Acetate
 Concen: 0.495 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43 Resp: 395
 Ion Ratio Lower Upper
 43 100
 86 12.4 6.5 9.7
 42 23.2 7.8 11.8
 44 37.6 5.0 7.6

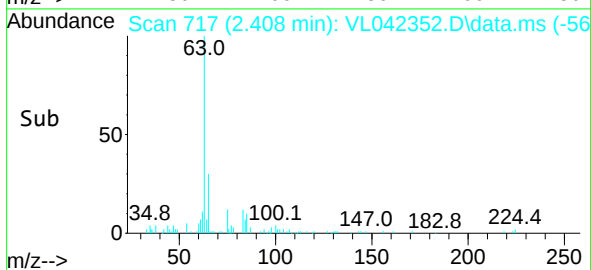
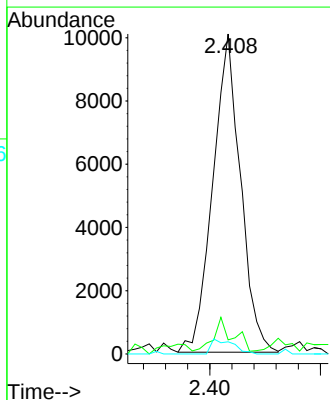
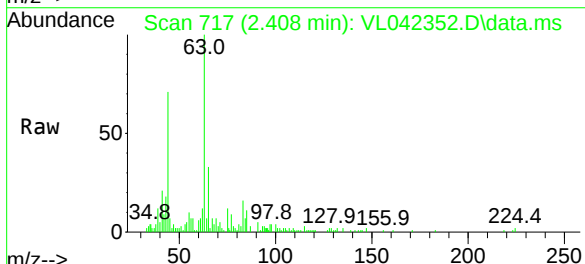
Manual Integrations
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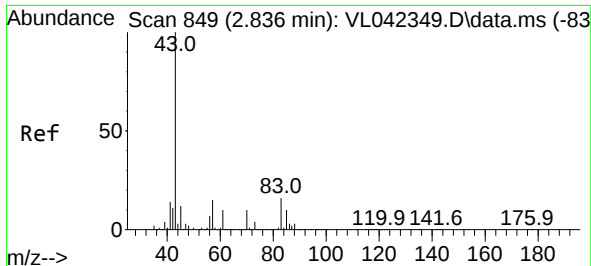
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#24
 1,1-Dichloroethane
 Concen: 0.523 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19

Tgt Ion: 63 Resp: 8753
 Ion Ratio Lower Upper
 63 100
 98 1.4 2.3 6.8
 100 3.8 1.6 4.8





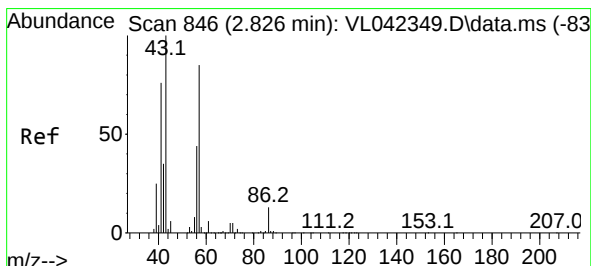
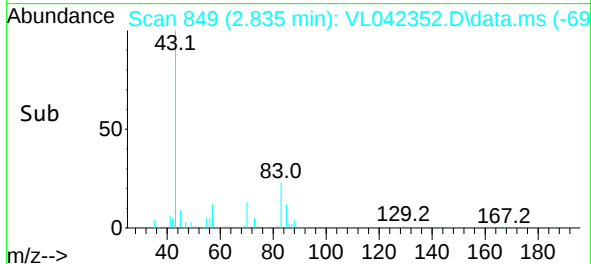
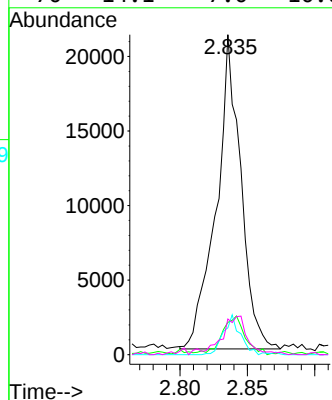
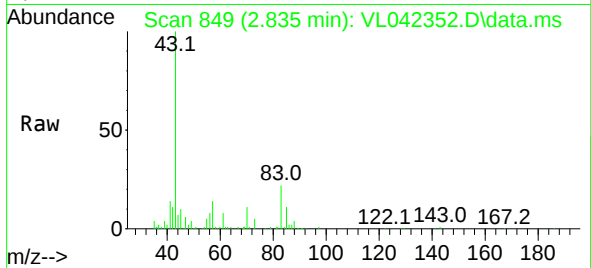
#25
Ethyl Acetate
Concen: 0.548 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 26680
Ion Ratio Lower Upper
43 100
45 13.3 8.3 12.5
61 9.0 7.3 10.9
70 14.1 7.0 10.6#

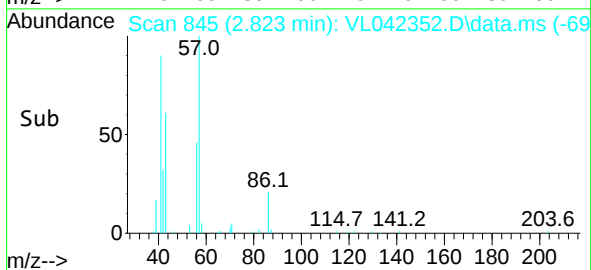
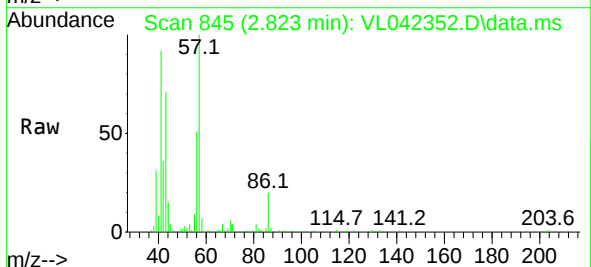
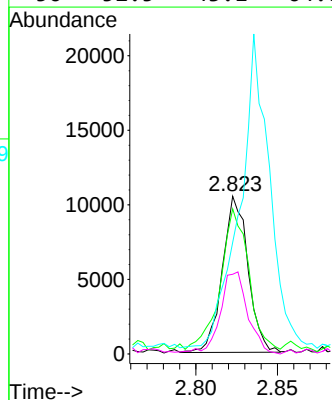
Manual Integrations
APPROVED

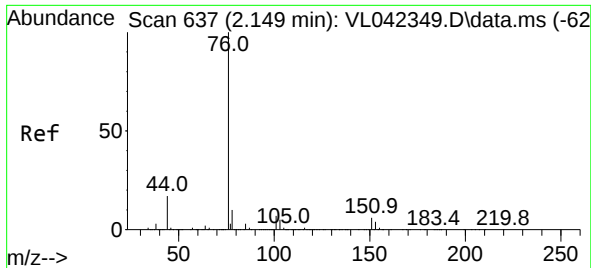
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#26
Hexane
Concen: 0.581 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 57 Resp: 11448
Ion Ratio Lower Upper
57 100
41 103.5 77.9 116.9
43 240.0 208.4 312.6
56 52.5 43.1 64.7





#27

Carbon Disulfide

Concen: 0.544 ppbv

RT: 2.149 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

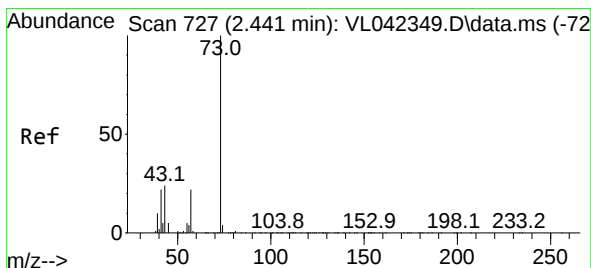
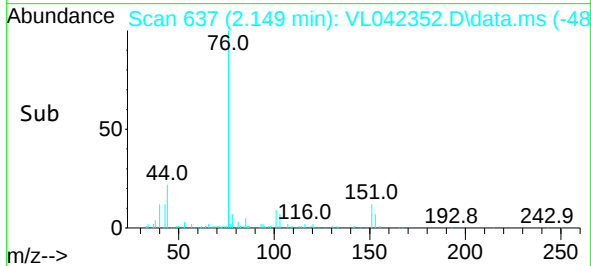
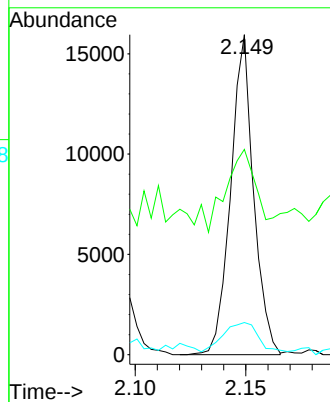
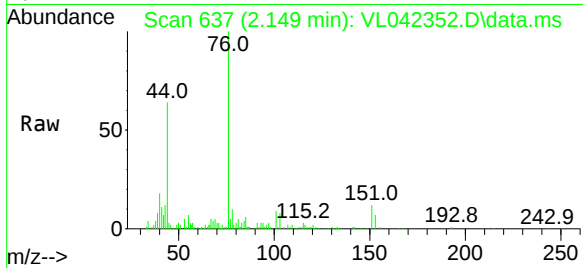
Tgt Ion: 76 Resp: 11472
 Ion Ratio Lower Upper
 76 100
 44 123.7 15.5 23.3
 78 18.8 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#28

Methyl tert-Butyl Ether

Concen: 0.530 ppbv

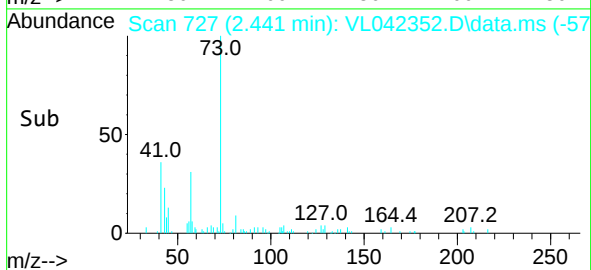
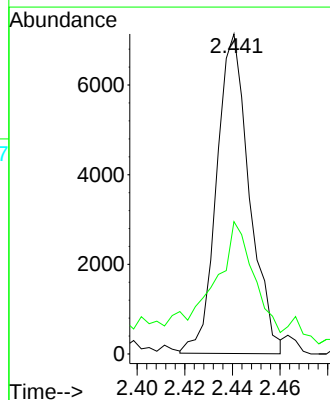
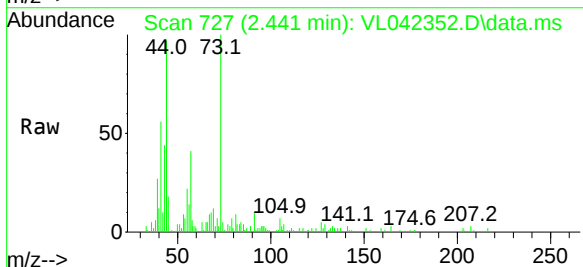
RT: 2.441 min Scan# 727

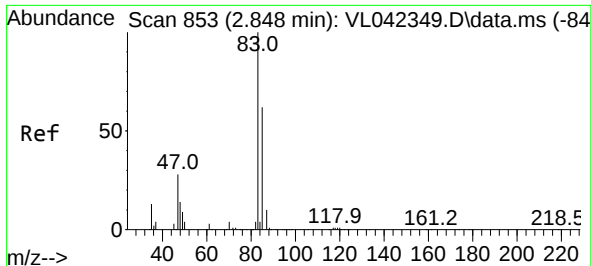
Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Tgt Ion: 73 Resp: 6833
 Ion Ratio Lower Upper
 73 100
 57 61.8 21.3 31.9





#29

Chloroform

Concen: 0.532 ppbv

RT: 2.848 min Scan# 853

Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 1481

Ion Ratio Lower Upper

83 100

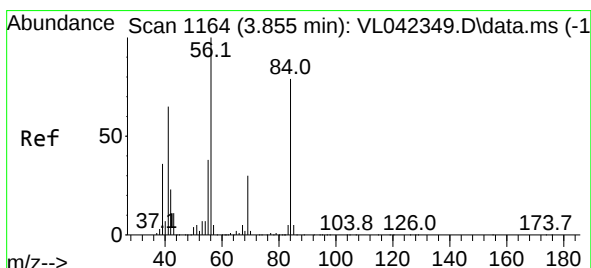
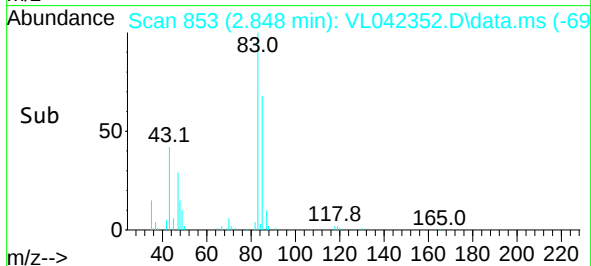
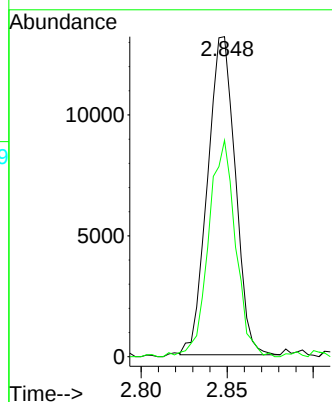
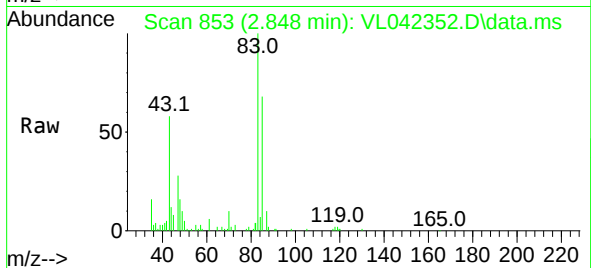
85 68.0 50.0 75.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#30

Cyclohexane

Concen: 0.541 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

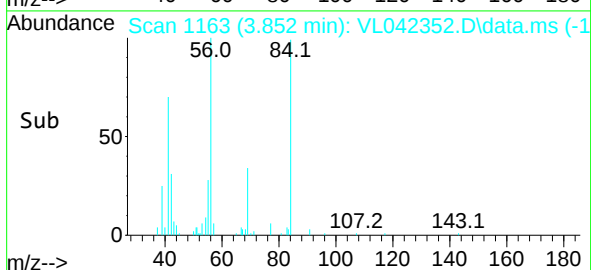
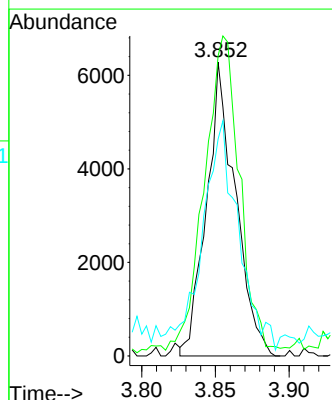
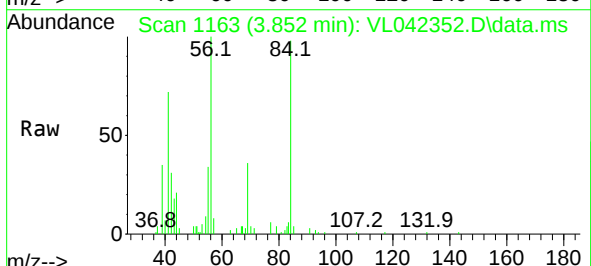
Tgt Ion: 84 Resp: 8572

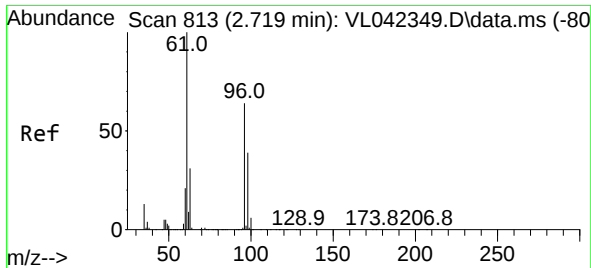
Ion Ratio Lower Upper

84 100

56 132.8 101.0 151.4

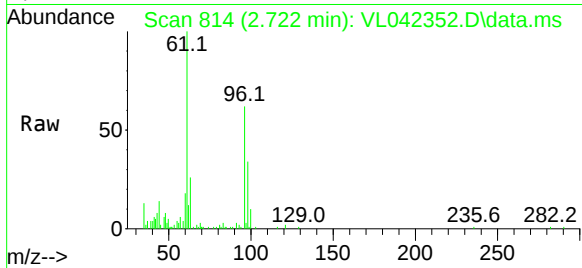
41 89.8 67.4 101.0





#31
 cis-1,2-Dichloroethene
 Concen: 0.511 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19

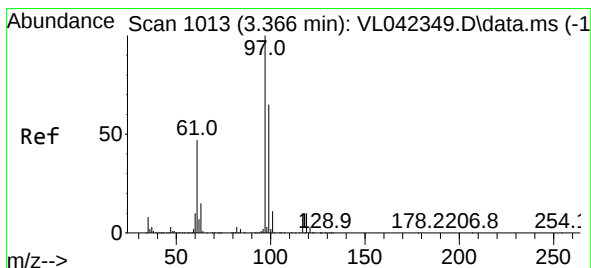
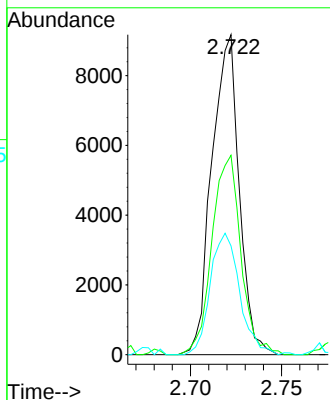
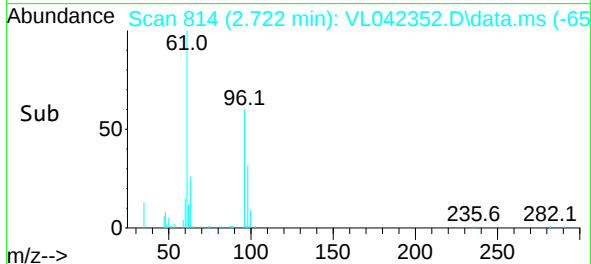
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



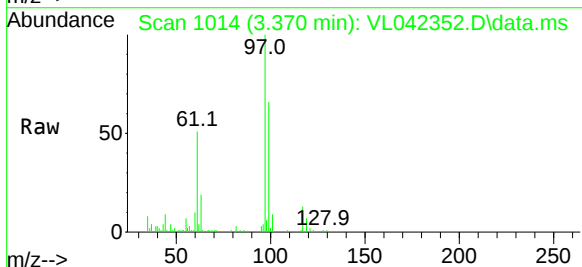
Tgt Ion: 61 Resp: 957
 Ion Ratio Lower Upper
 61 100
 96 62.3 50.8 76.2
 98 34.0 30.9 46.3

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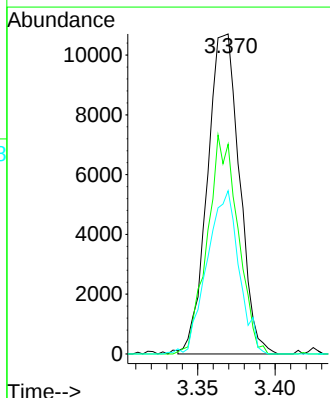
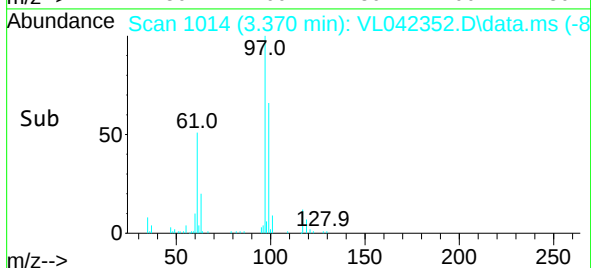
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

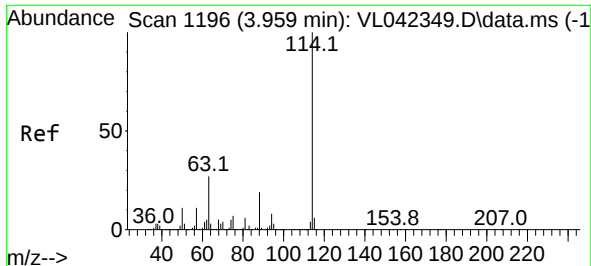


#32
 1,1,1-Trichloroethane
 Concen: 0.516 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.003 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19



Tgt Ion: 97 Resp: 15413
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.0 76.4
 61 50.8 38.8 58.2





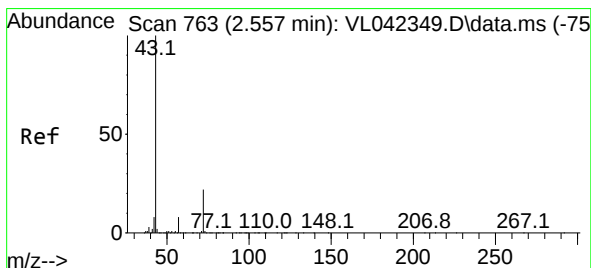
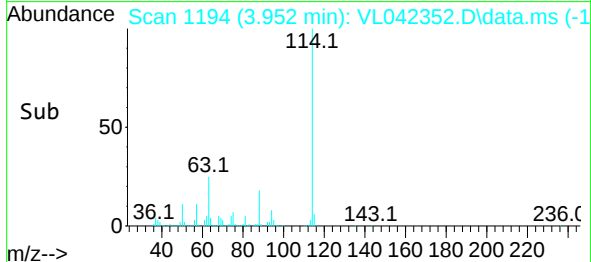
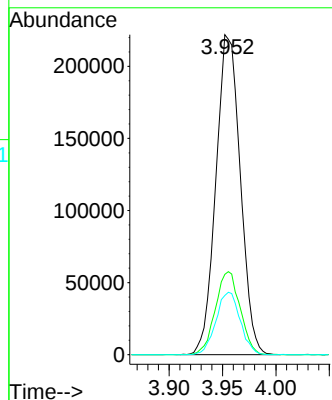
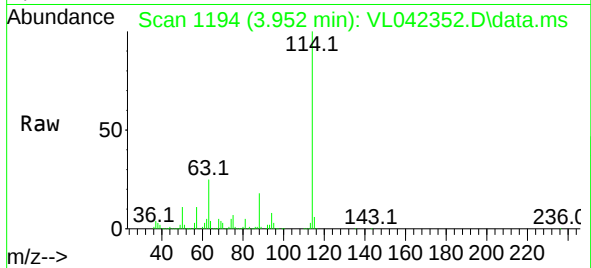
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1196
Delta R.T. -0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:114 Resp: 35313
Ion Ratio Lower Upper
114 100
63 26.3 21.8 32.6
88 19.4 15.5 23.3

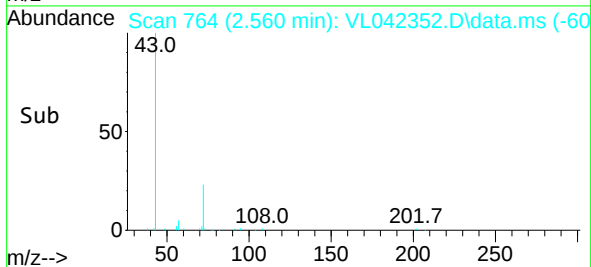
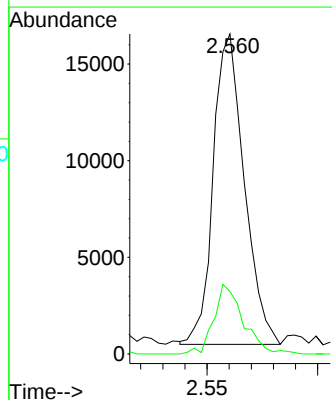
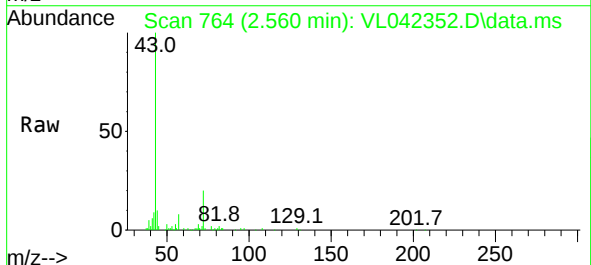
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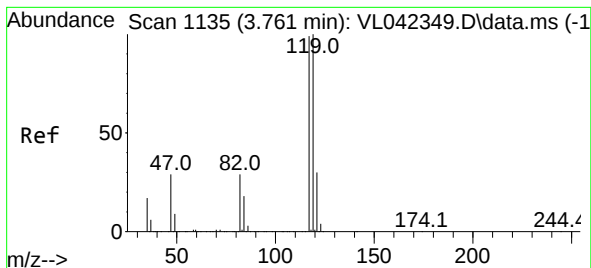
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#34
2-Butanone
Concen: 0.560 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 43 Resp: 15640
Ion Ratio Lower Upper
43 100
72 21.3 18.2 27.2





#35

Carbon Tetrachloride

Concen: 0.459 ppbv

RT: 3.761 min Scan# 1135

Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

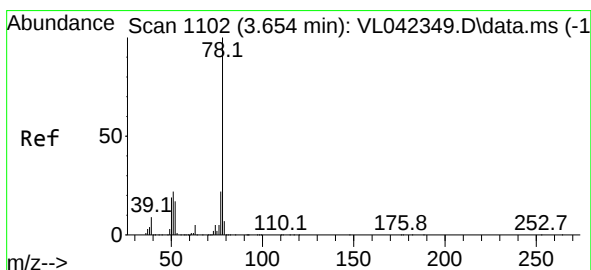
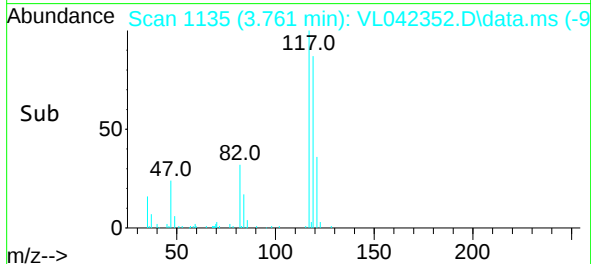
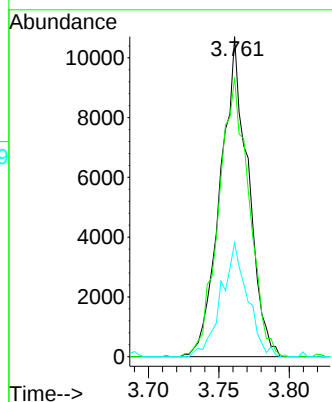
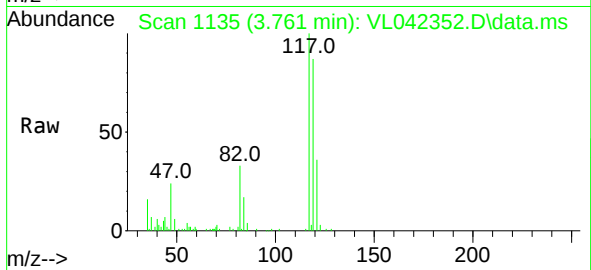
Tgt Ion:	117	Resp:	1468
Ion	Ratio	Lower	Upper
117	100		
119	87.2	80.5	120.7
121	35.6	24.2	36.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#36

Benzene

Concen: 0.531 ppbv

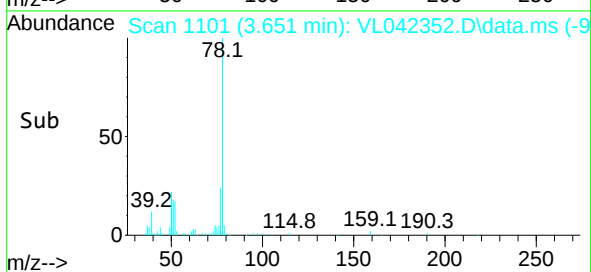
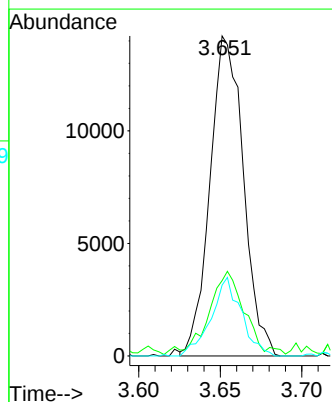
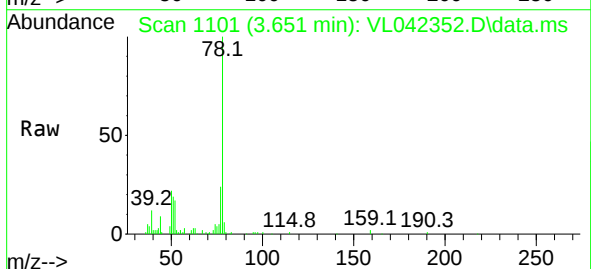
RT: 3.651 min Scan# 1101

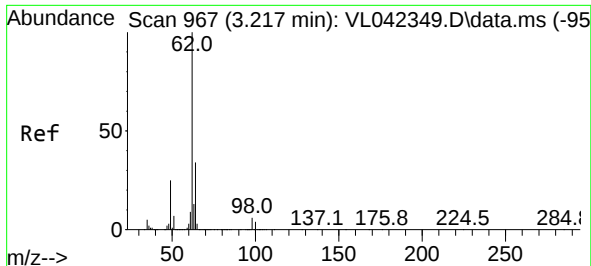
Delta R.T. -0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Tgt Ion:	78	Resp:	20233
Ion	Ratio	Lower	Upper
78	100		
77	21.7	17.4	26.0
50	22.1	15.5	23.3





#37

1,2-Dichloroethane

Concen: 0.533 ppbv

RT: 3.217 min Scan# 967

Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 62 Resp: 12194

Ion Ratio Lower Upper

62 100

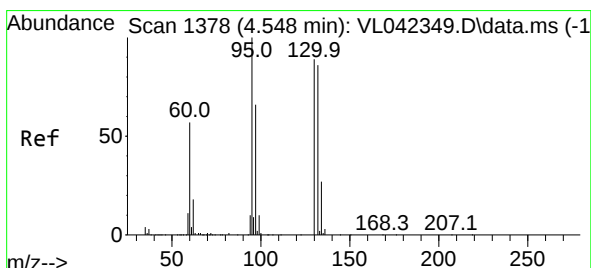
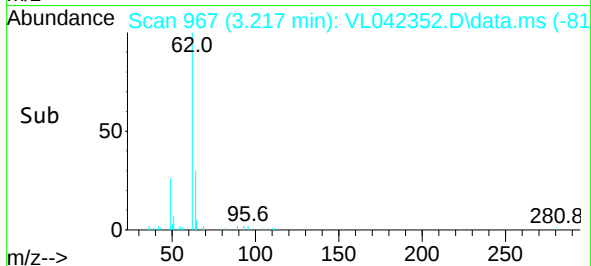
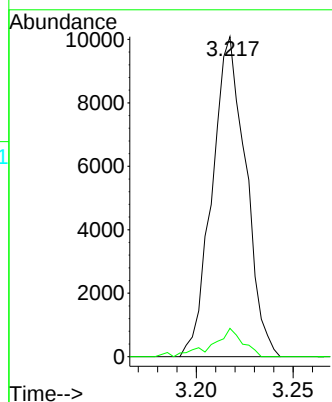
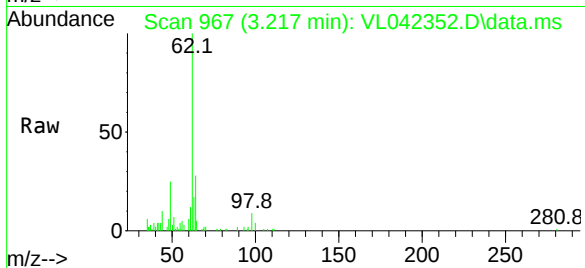
98 8.1 5.1 7.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#38

Trichloroethene

Concen: 0.468 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. 0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Tgt Ion:130 Resp: 7819

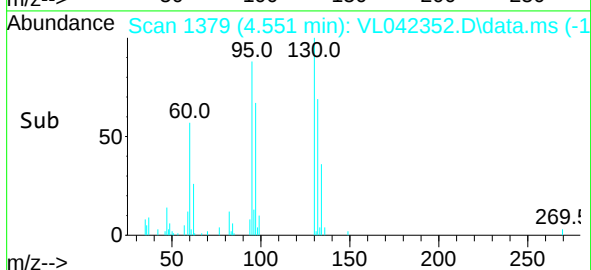
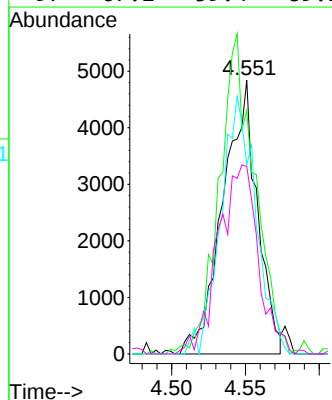
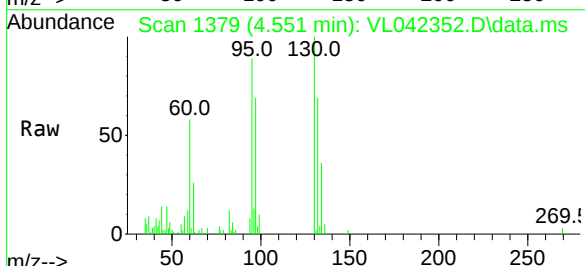
Ion Ratio Lower Upper

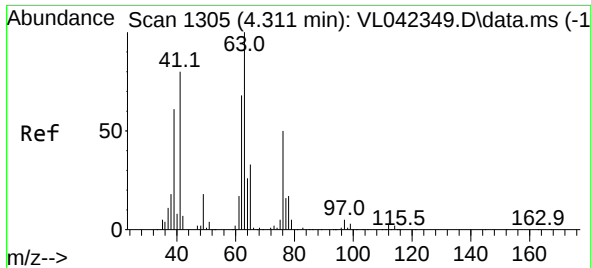
130 100

95 86.2 89.8 134.6#

132 69.1 77.7 116.5#

97 67.2 59.4 89.2





#39

1,2-Dichloropropane

Concen: 0.548 ppbv m

RT: 4.308 min Scan# 1304

Delta R.T. -0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 63 Resp: 7790

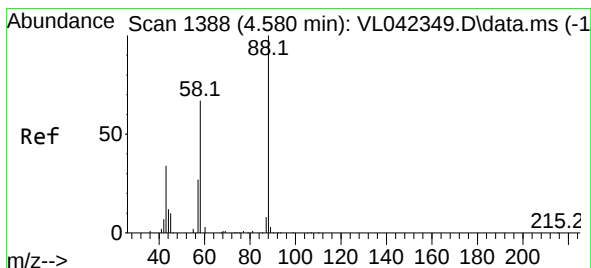
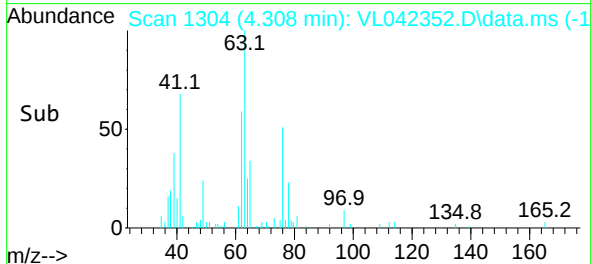
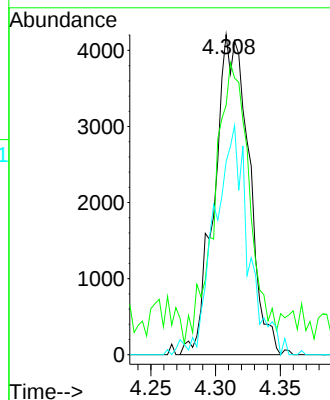
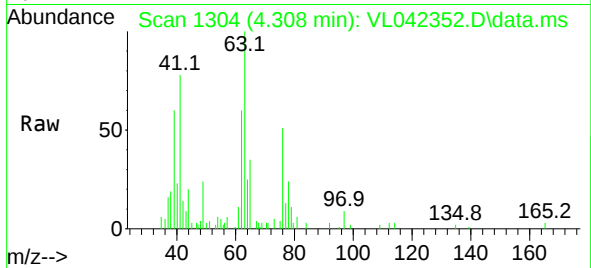
Ion	Ratio	Lower	Upper
63	100		
41	78.0	64.2	96.2
62	60.4	54.3	81.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#40

1,4-Dioxane

Concen: 0.603 ppbv m

RT: 4.599 min Scan# 1394

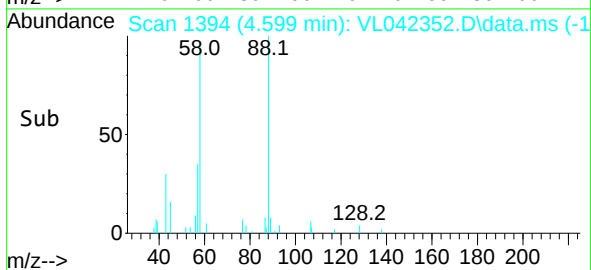
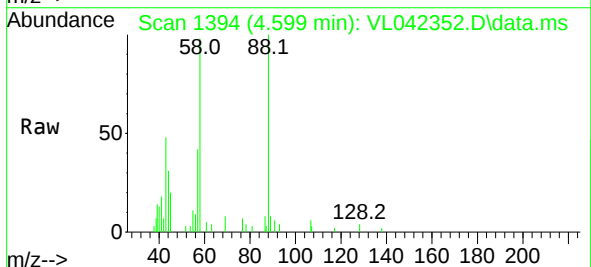
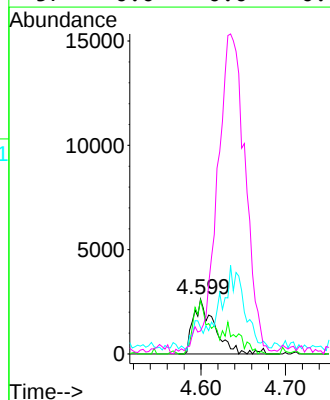
Delta R.T. 0.019 min

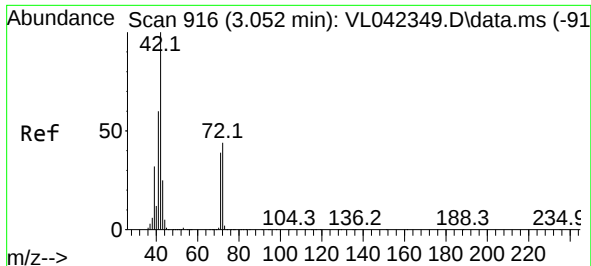
Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Tgt Ion: 88 Resp: 4637

Ion	Ratio	Lower	Upper
88	100		
58	118.1	61.4	92.0#
43	0.0	23.2	34.8#
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 0.567 ppbv m

RT: 3.062 min Scan# 916

Delta R.T. 0.010 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

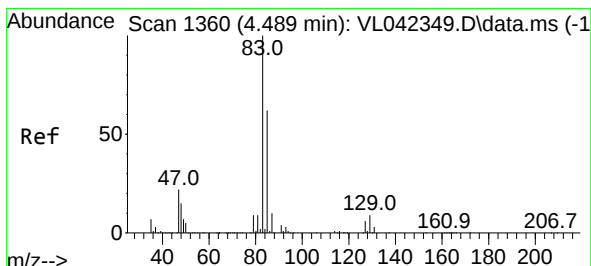
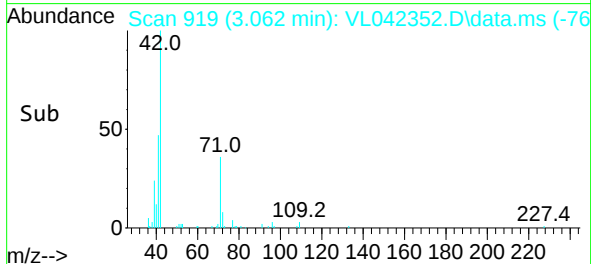
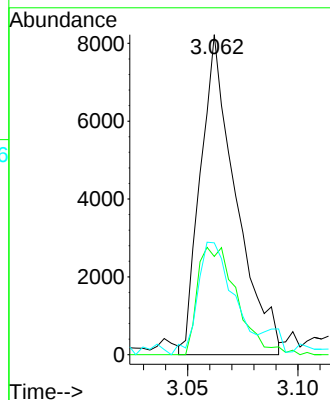
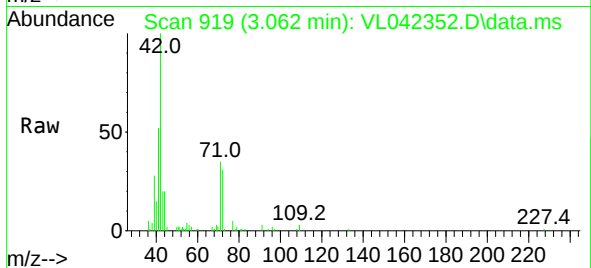
VSTDICC0.5

Tgt Ion:	42	Resp:	914
Ion	Ratio	Lower	Upper
42	100		
72	37.7	32.3	48.5
71	43.1	31.4	47.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#42

Bromodichloromethane

Concen: 0.523 ppbv

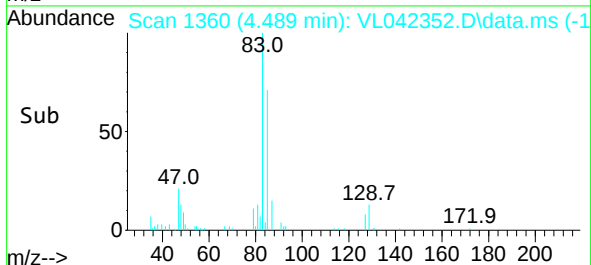
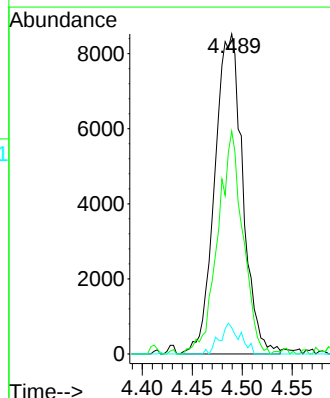
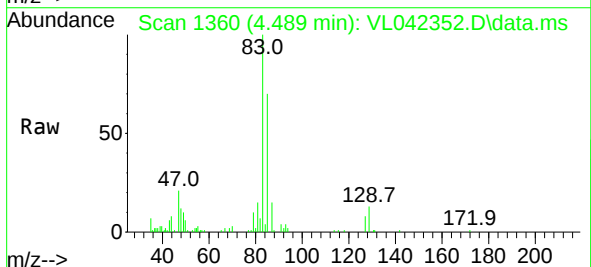
RT: 4.489 min Scan# 1360

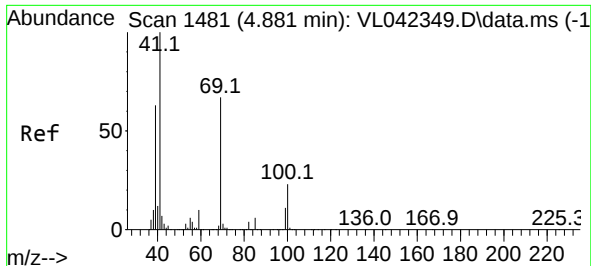
Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

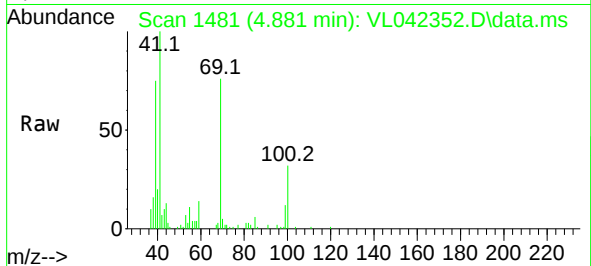
Tgt Ion:	83	Resp:	16642
Ion	Ratio	Lower	Upper
83	100		
85	69.6	49.7	74.5
127	8.2	5.1	7.7#





#43
Methyl Methacrylate
Concen: 0.563 ppbv m
RT: 4.881 min Scan# 1481
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

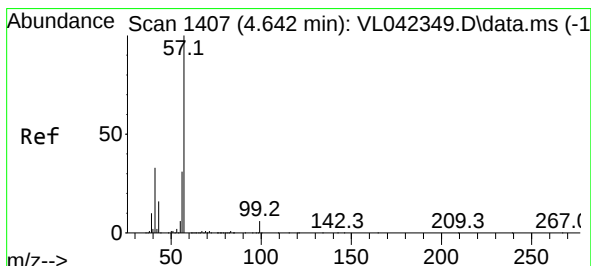
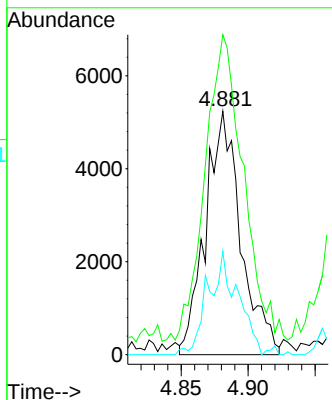
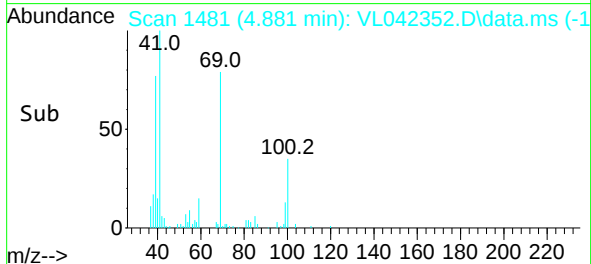
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



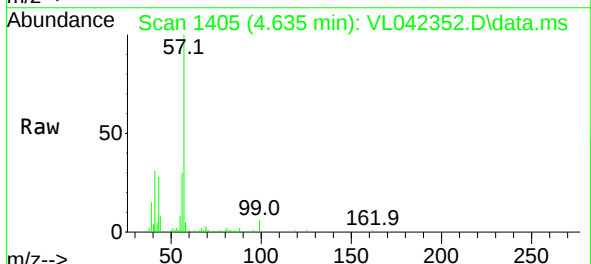
Tgt Ion: 69 Resp: 9620
Ion Ratio Lower Upper
69 100
41 0.0 118.6 177.8
100 0.0 28.2 42.2

Manual Integrations
APPROVED

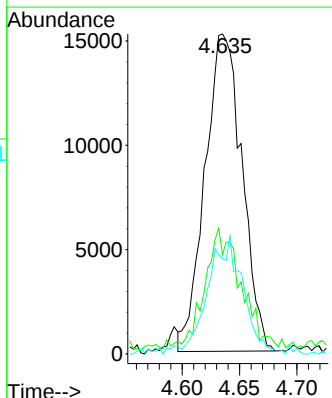
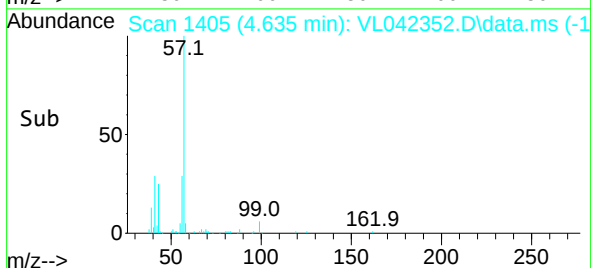
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

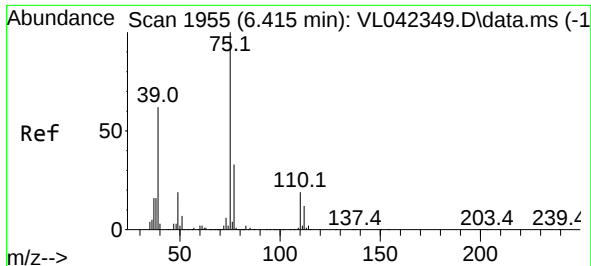


#44
2,2,4-Trimethylpentane
Concen: 0.519 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



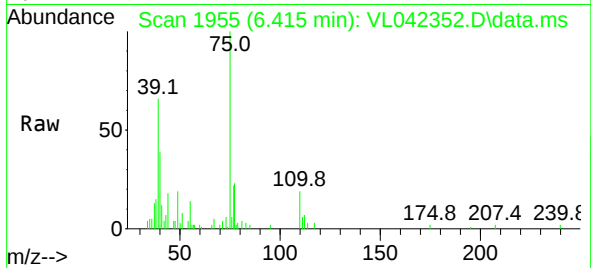
Tgt Ion: 57 Resp: 34170
Ion Ratio Lower Upper
57 100
41 39.1 27.2 40.8
56 37.1 25.7 38.5





#45
t-1,3-Dichloropropene
Concen: 0.517 ppbv m
RT: 6.415 min Scan# 1955
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

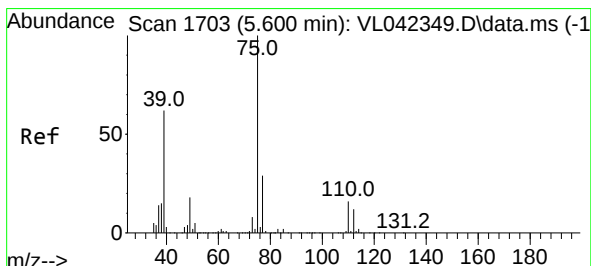
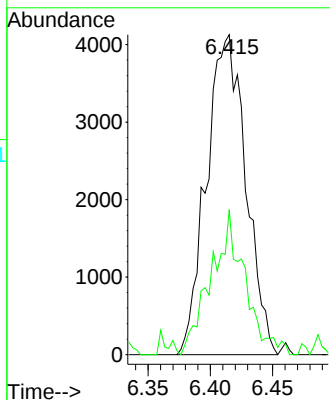
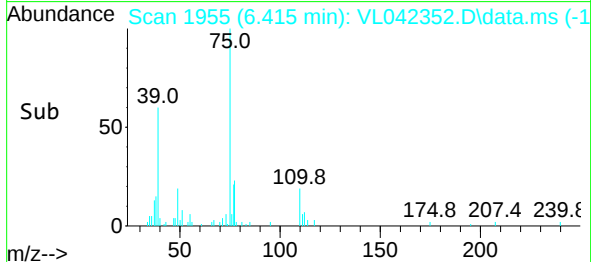
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 75 Resp: 907
Ion Ratio Lower Upper
75 100
77 23.1 27.0 40.6

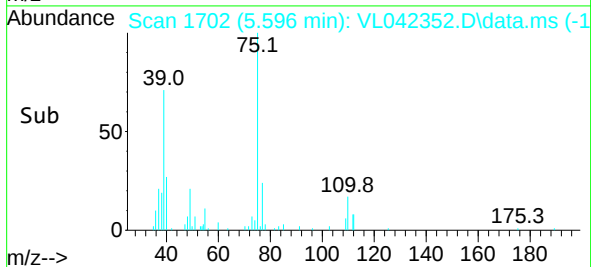
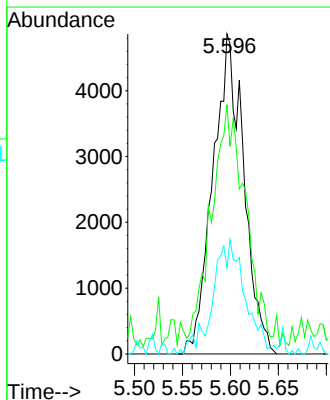
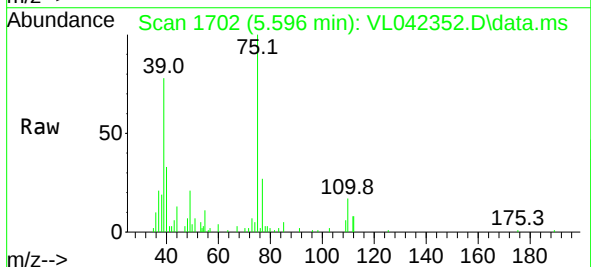
Manual Integrations
APPROVED

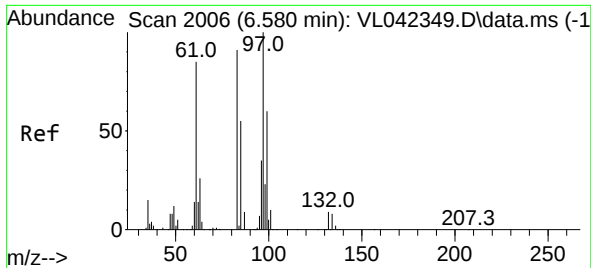
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#46
cis-1,3-Dichloropropene
Concen: 0.505 ppbv m
RT: 5.596 min Scan# 1702
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 75 Resp: 10827
Ion Ratio Lower Upper
75 100
39 77.9 50.0 75.0#
77 26.9 23.0 34.6





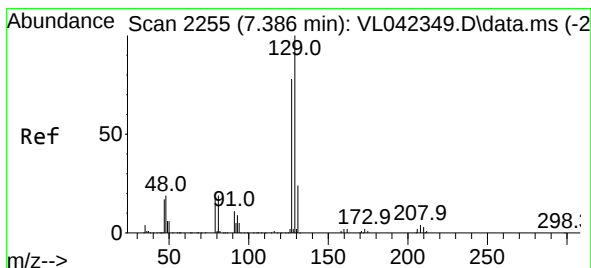
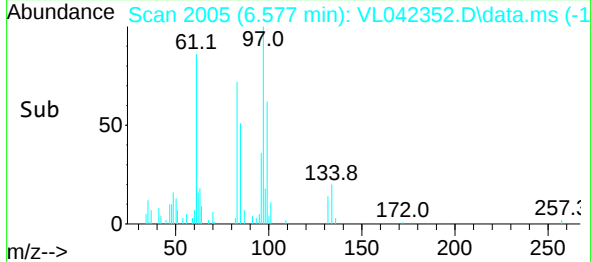
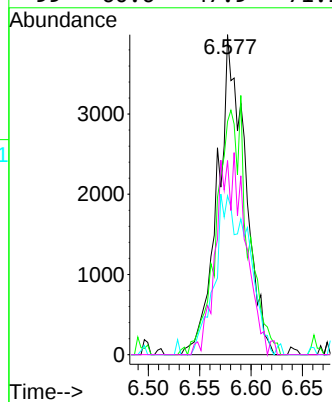
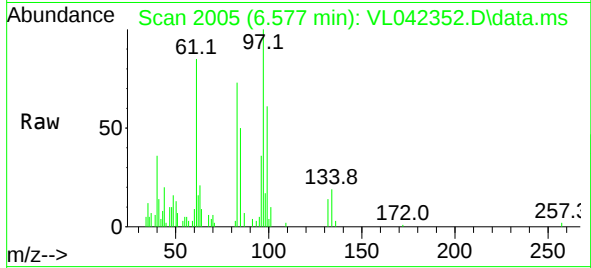
#47
1,1,2-Trichloroethane
Concen: 0.516 ppbv m
RT: 6.577 min Scan# 2006
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 97 Resp: 7460
Ion Ratio Lower Upper
97 100
83 72.9 72.8 109.2
85 49.6 44.2 66.4
99 60.6 47.9 71.9

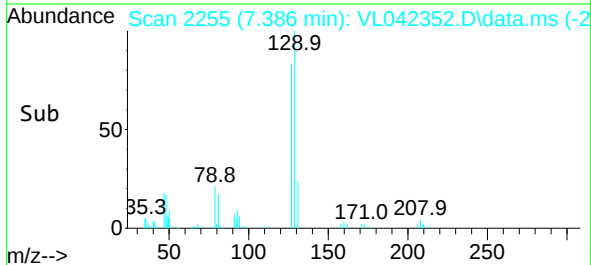
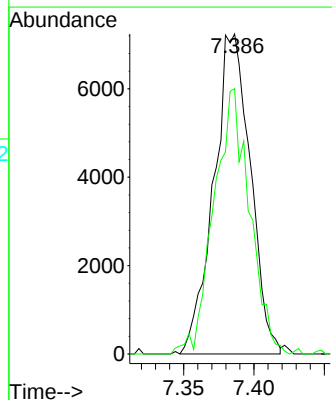
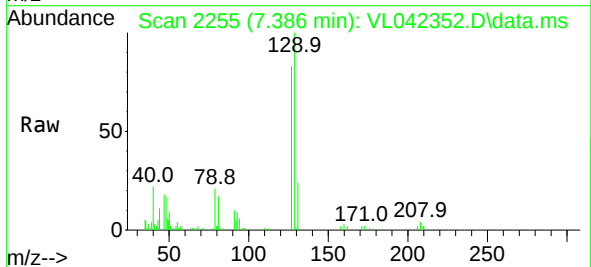
Manual Integrations
APPROVED

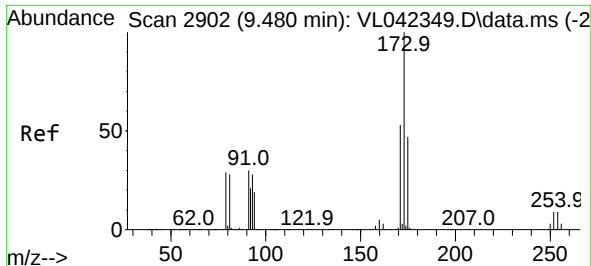
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#48
Dibromochloromethane
Concen: 0.514 ppbv
RT: 7.386 min Scan# 2255
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:129 Resp: 13122
Ion Ratio Lower Upper
129 100
127 80.9 39.1 117.3





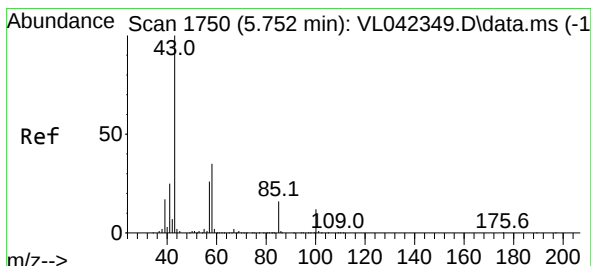
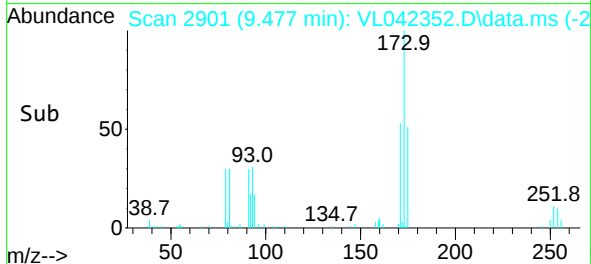
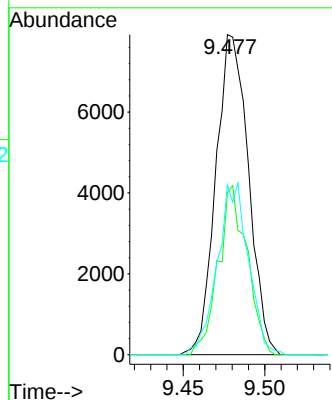
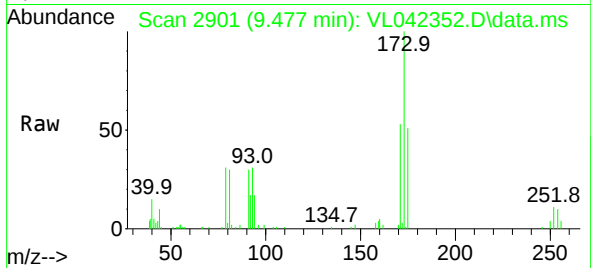
#49
Bromoform
Concen: 0.492 ppbv
RT: 9.477 min Scan# 2902
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:173 Resp: 10988
Ion Ratio Lower Upper
173 100
175 46.8 38.2 57.2
171 51.2 40.9 61.3

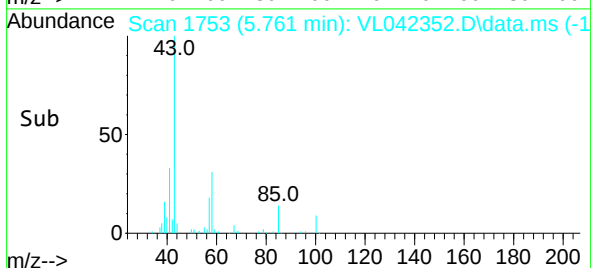
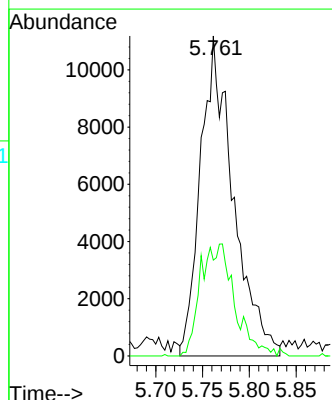
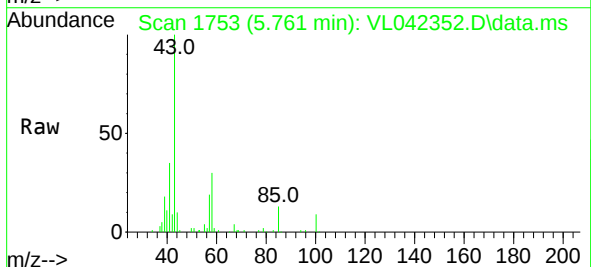
Manual Integrations
APPROVED

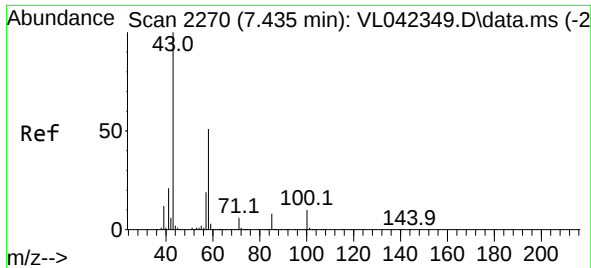
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#50
4-Methyl-2-Pentanone
Concen: 0.585 ppbv m
RT: 5.761 min Scan# 1753
Delta R.T. 0.010 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 43 Resp: 27206
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#





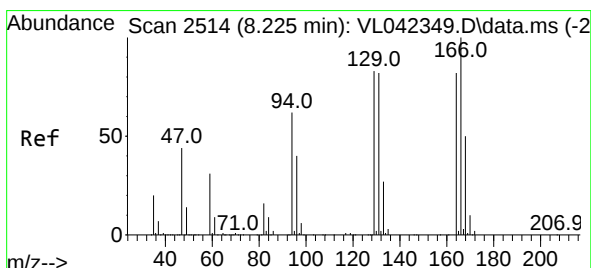
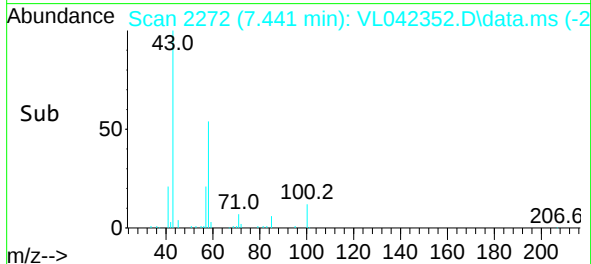
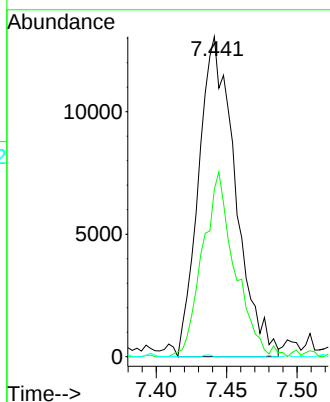
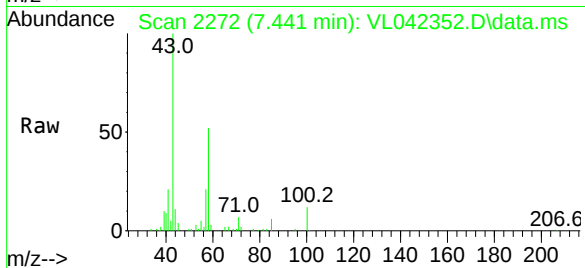
#51
2-Hexanone
Concen: 0.564 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 23684
Ion Ratio Lower Upper
43 100
58 51.7 40.2 60.4
98 0.1 0.1 0.1

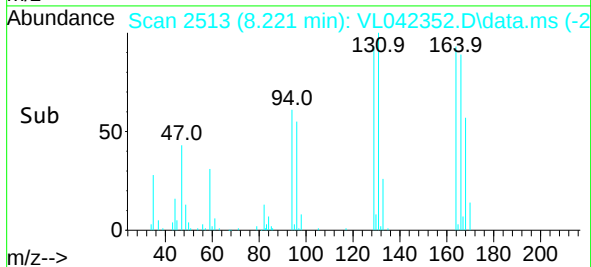
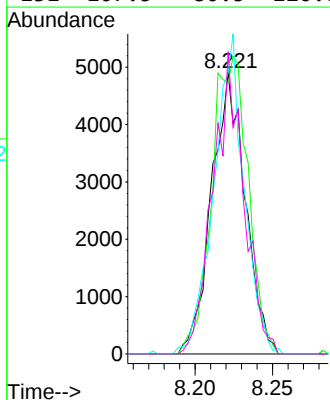
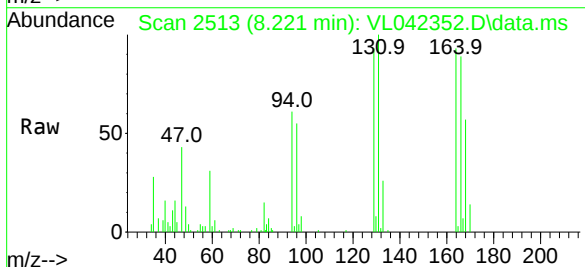
Manual Integrations
APPROVED

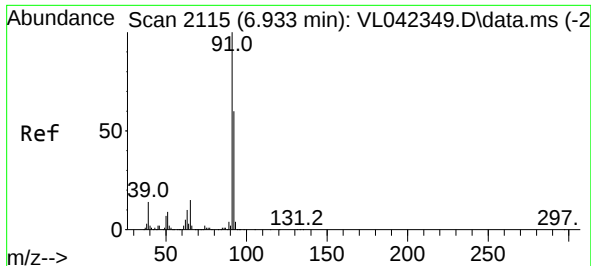
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#52
Tetrachloroethene
Concen: 0.503 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:164 Resp: 7412
Ion Ratio Lower Upper
164 100
166 96.1 98.2 147.2#
129 97.8 81.8 122.8
131 107.5 80.5 120.7





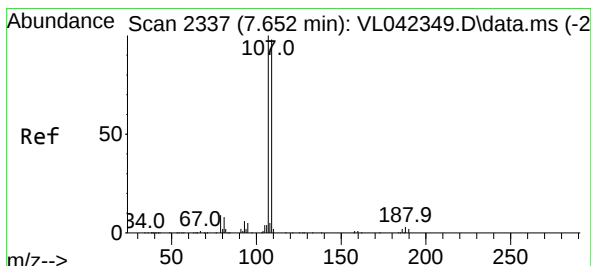
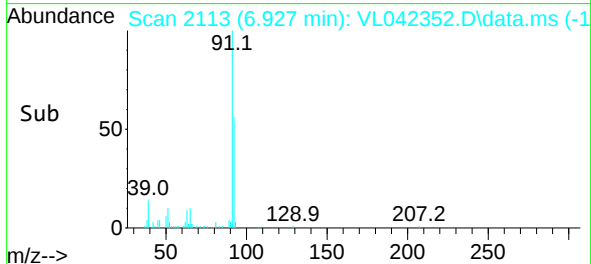
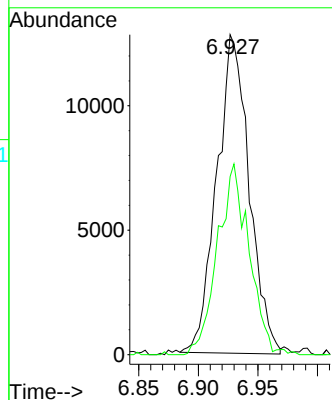
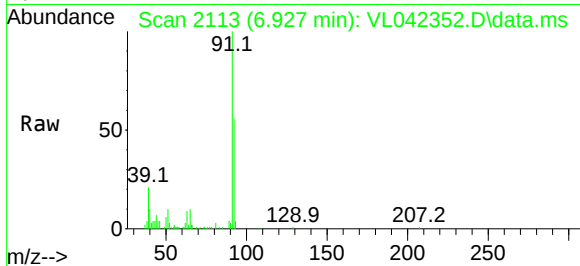
#53
Toluene
Concen: 0.529 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 24200
Ion Ratio Lower Upper
91 100
92 58.4 48.2 72.4

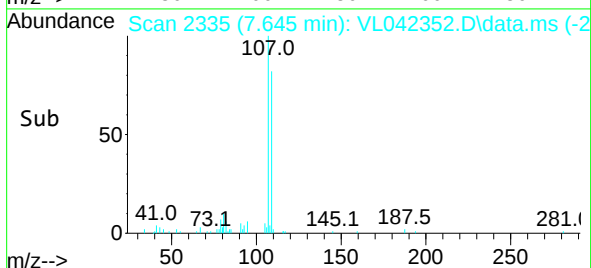
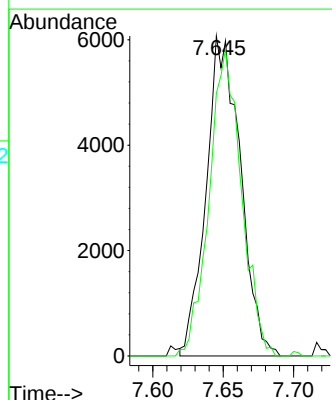
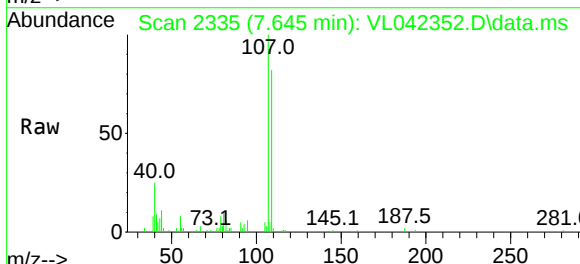
Manual Integrations
APPROVED

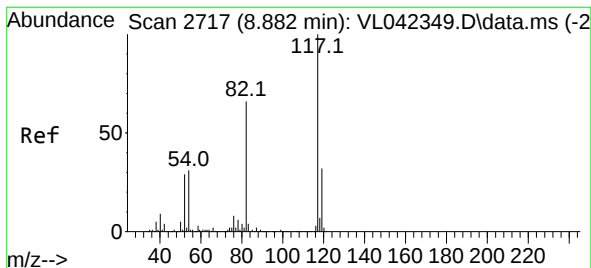
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#54
1,2-Dibromoethane
Concen: 0.499 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:107 Resp: 10282
Ion Ratio Lower Upper
107 100
109 82.1 78.2 117.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

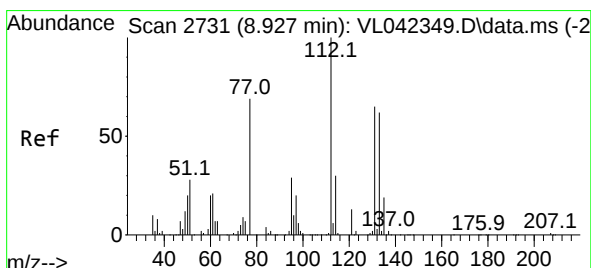
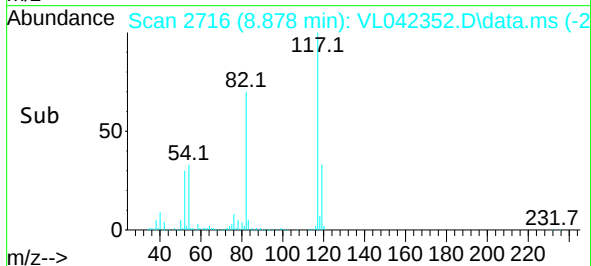
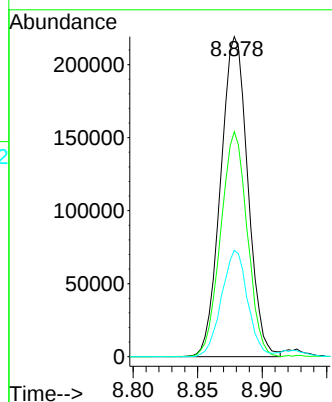
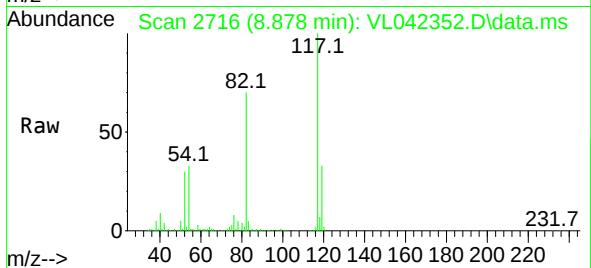
Tgt Ion:117 Resp: 321644

Ion	Ratio	Lower	Upper
117	100		
82	69.0	57.8	86.6
119	33.8	25.2	37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 0.513 ppbv

RT: 8.930 min Scan# 2732

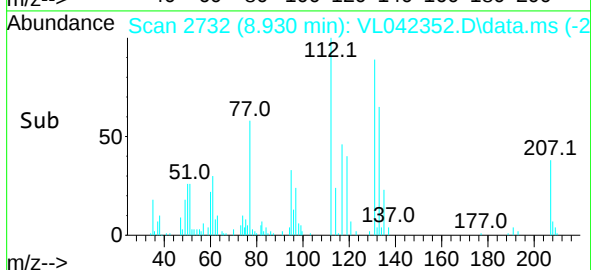
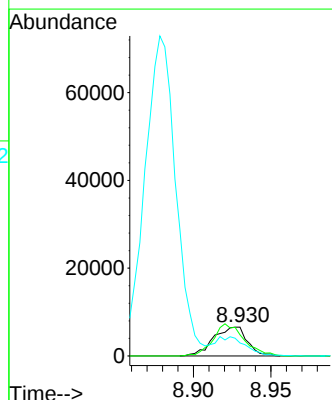
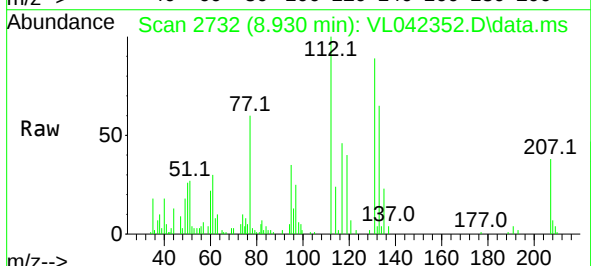
Delta R.T. 0.003 min

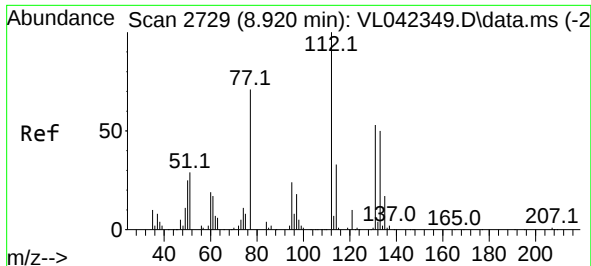
Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Tgt Ion:131 Resp: 9987

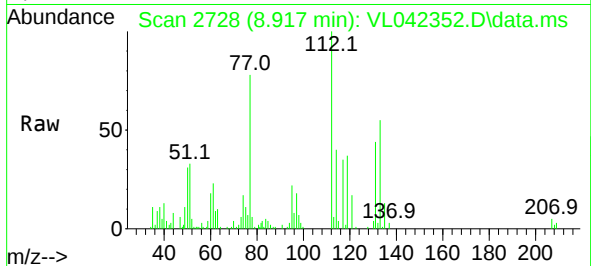
Ion	Ratio	Lower	Upper
131	100		
133	102.0	78.3	117.5
119	1087.9	48.7	73.1#





#57
Chlorobenzene
Concen: 0.543 ppbv m
RT: 8.917 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

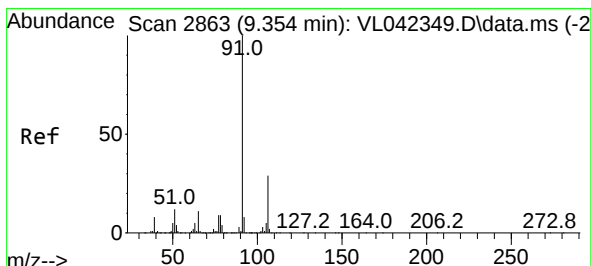
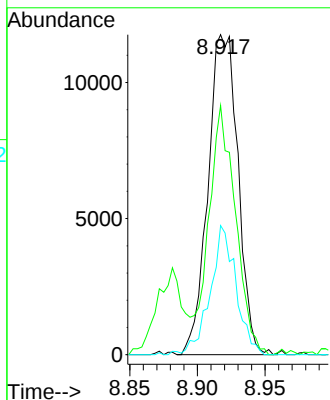
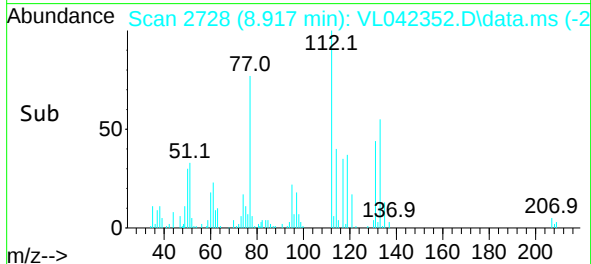
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



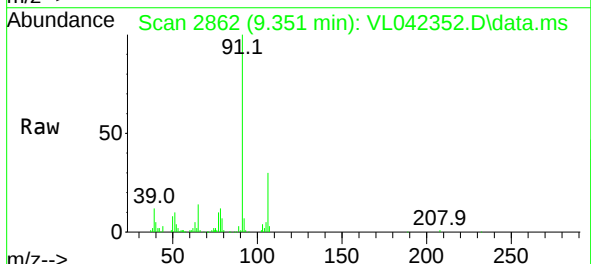
Tgt Ion: 112 Resp: 18149
Ion Ratio Lower Upper
112 100
77 77.8 57.8 86.6
114 40.4 29.3 35.9

Manual Integrations
APPROVED

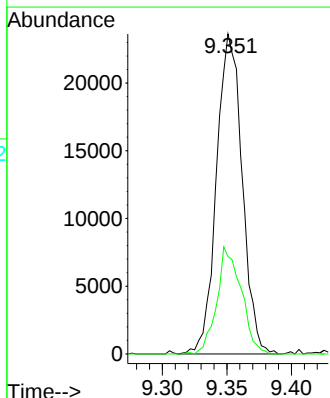
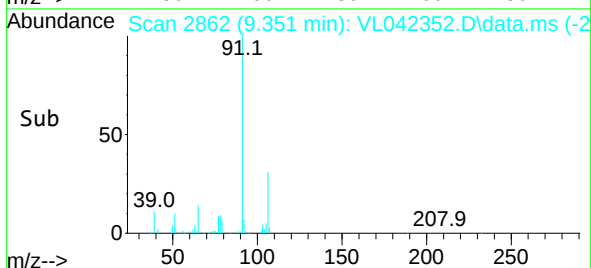
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

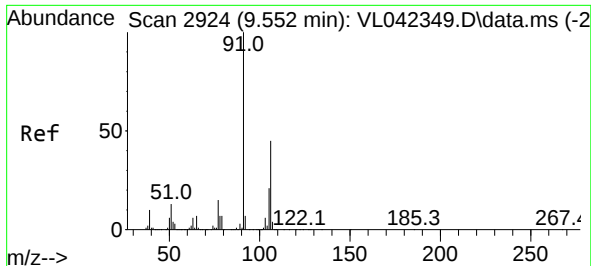


#58
Ethyl Benzene
Concen: 0.512 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



Tgt Ion: 91 Resp: 32624
Ion Ratio Lower Upper
91 100
106 30.5 23.0 34.4





#59

m/p-Xylene

Concen: 1.053 ppbv m

RT: 9.532 min Scan# 2918

Delta R.T. -0.019 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

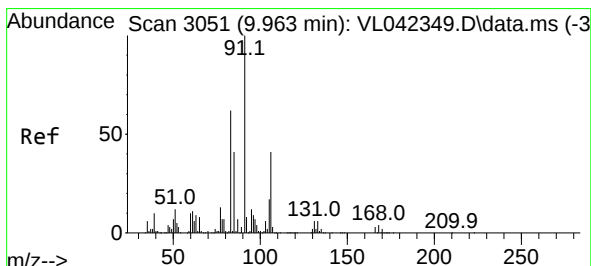
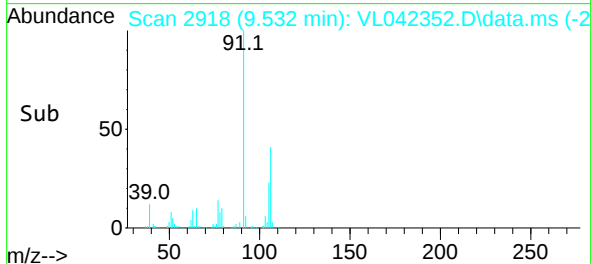
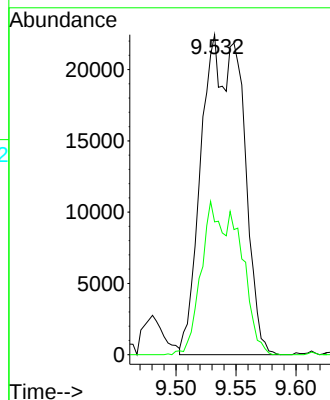
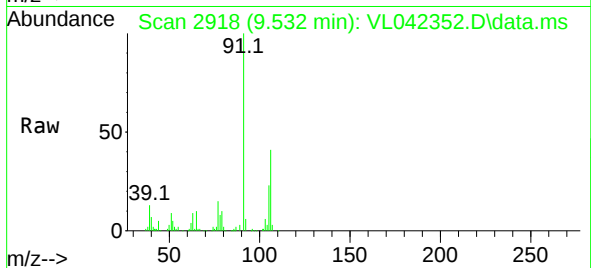
VSTDICC0.5

Tgt Ion: 91 Resp: 5419
 Ion Ratio Lower Upper
 91 100
 106 0.0 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#60

o-Xylene

Concen: 0.541 ppbv

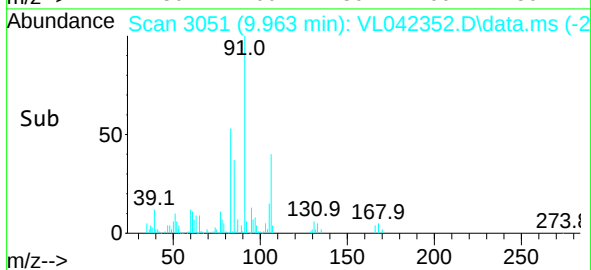
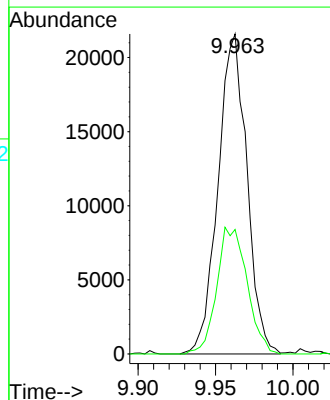
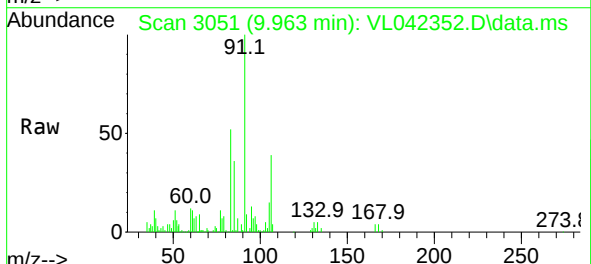
RT: 9.963 min Scan# 3051

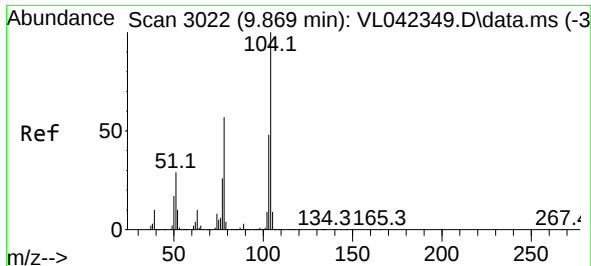
Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Tgt Ion: 91 Resp: 27983
 Ion Ratio Lower Upper
 91 100
 106 41.6 21.1 63.4





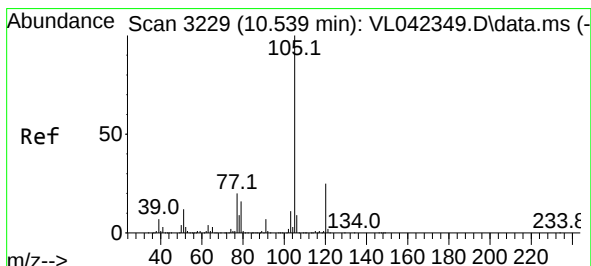
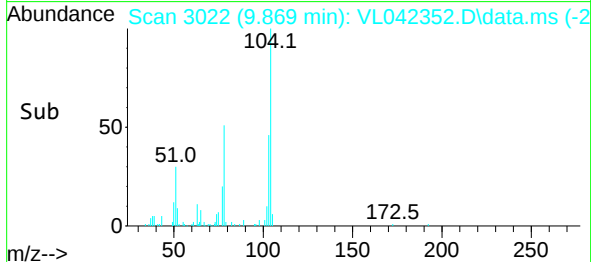
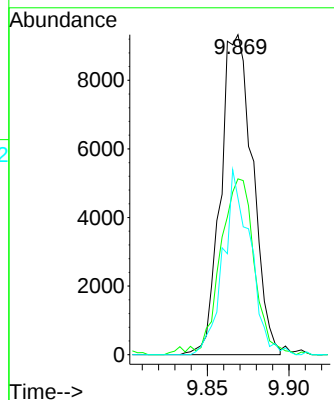
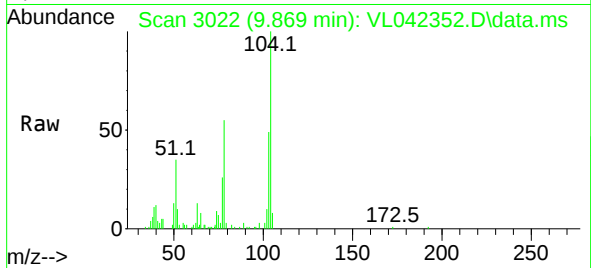
#61
Styrene
Concen: 0.516 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:104 Resp: 12730
Ion Ratio Lower Upper
104 100
78 58.6 44.6 66.8
103 49.2 37.4 56.0

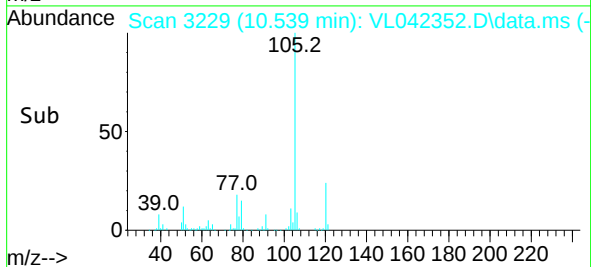
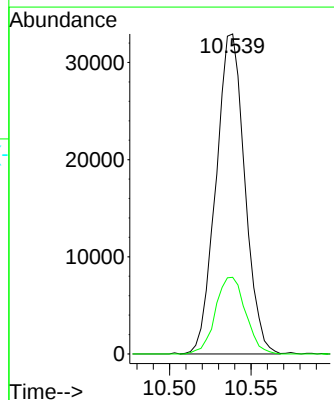
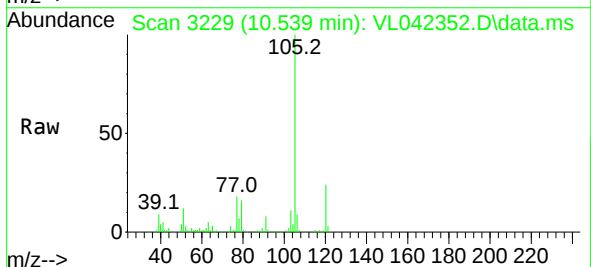
Manual Integrations
APPROVED

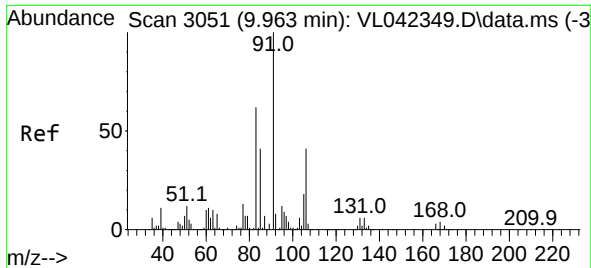
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#62
Isopropylbenzene
Concen: 0.533 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

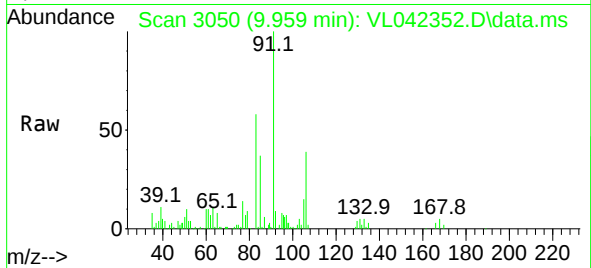
Tgt Ion:105 Resp: 40481
Ion Ratio Lower Upper
105 100
120 24.9 19.8 29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.474 ppbv
RT: 9.959 min Scan# 3051
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

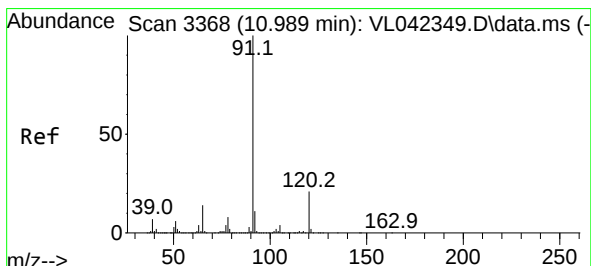
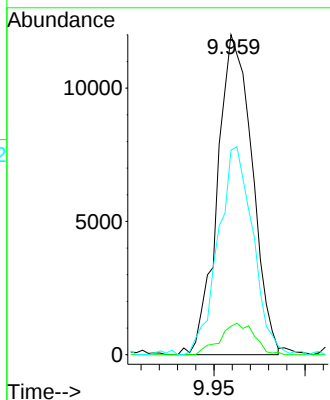
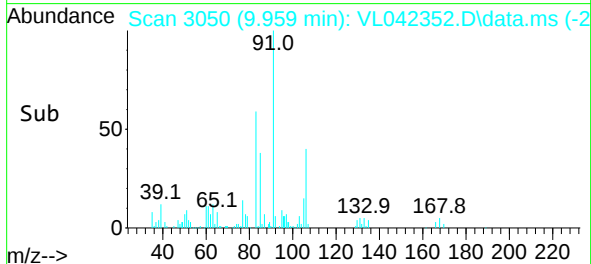
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



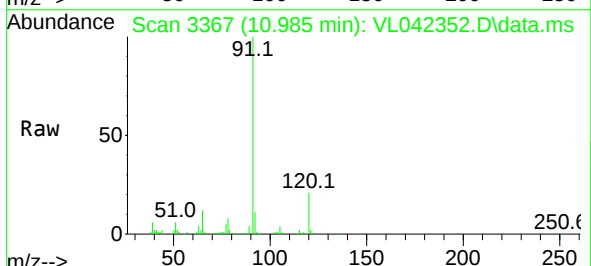
Tgt Ion: 83 Resp: 15920
Ion Ratio Lower Upper
83 100
131 9.8 4.5 13.7
85 65.6 32.4 97.0

Manual Integrations
APPROVED

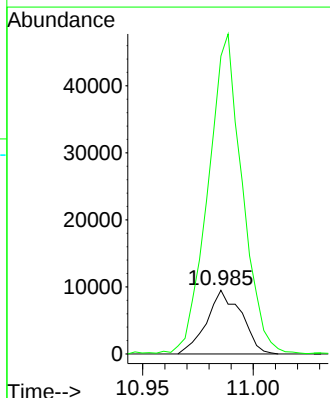
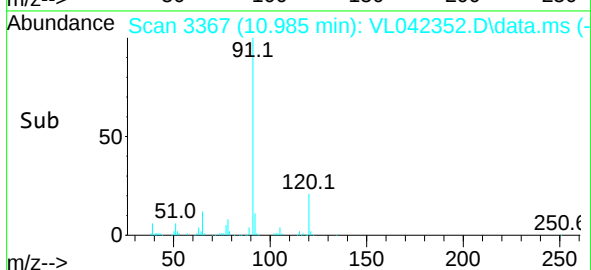
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

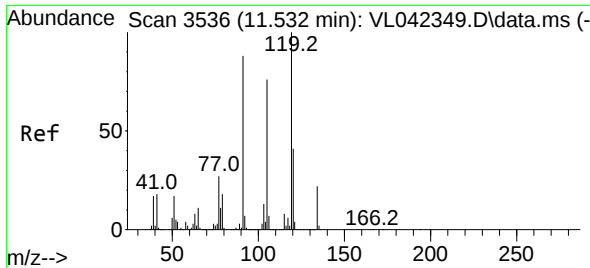


#64
n-propylbenzene
Concen: 0.544 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



Tgt Ion:120 Resp: 10369
Ion Ratio Lower Upper
120 100
91 499.6 392.4 588.6





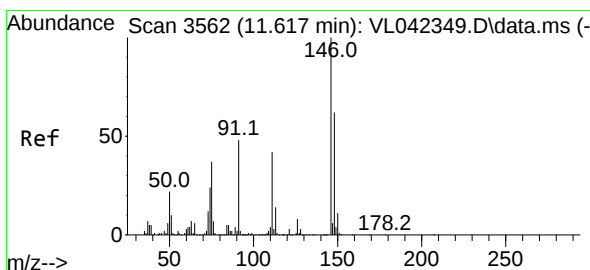
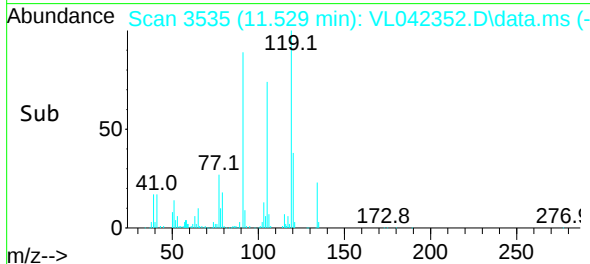
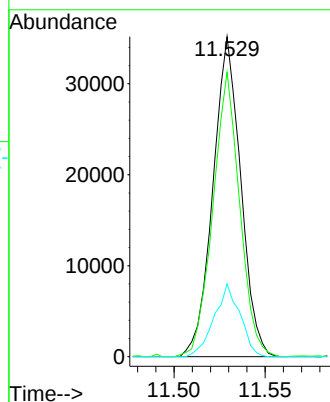
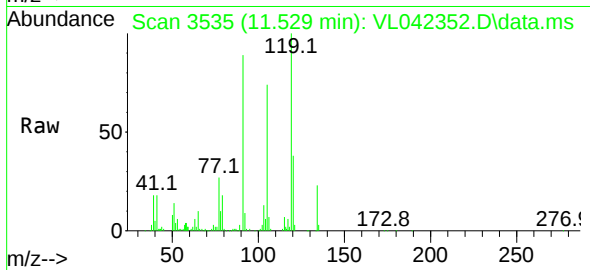
#65
tert-Butylbenzene
Concen: 0.535 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 37294
Ion Ratio Lower Upper
119 100
91 85.8 74.6 111.8
134 21.1 18.8 28.2

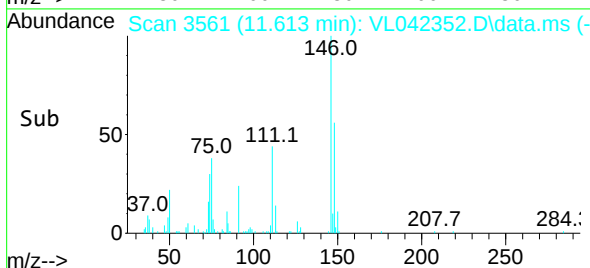
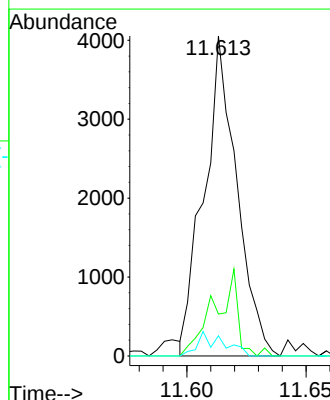
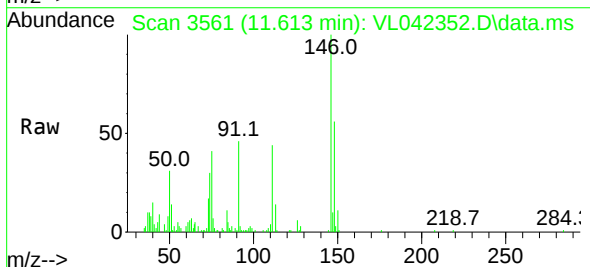
Manual Integrations
APPROVED

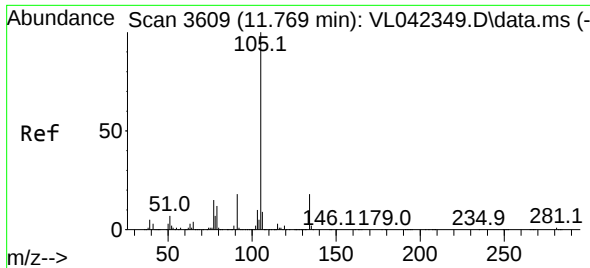
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#66
Benzyl Chloride
Concen: 0.506 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 91 Resp: 3878
Ion Ratio Lower Upper
91 100
126 19.8 11.8 17.6#
128 5.8 4.5 6.7





#67

sec-Butylbenzene

Concen: 0.537 ppbv

RT: 11.765 min Scan# 3609

Delta R.T. -0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 52139

Ion Ratio Lower Upper

105 100

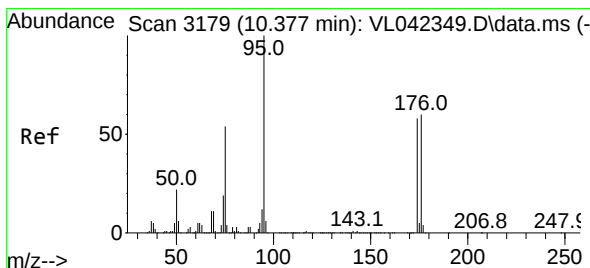
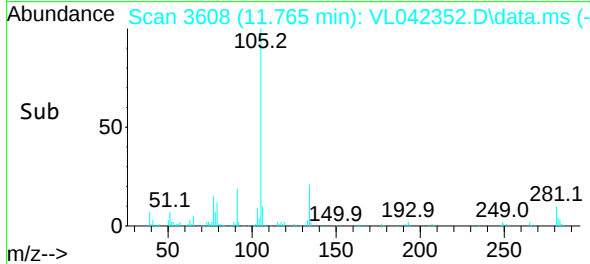
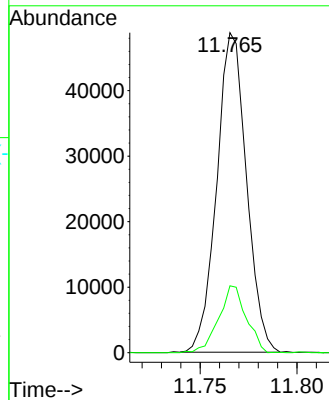
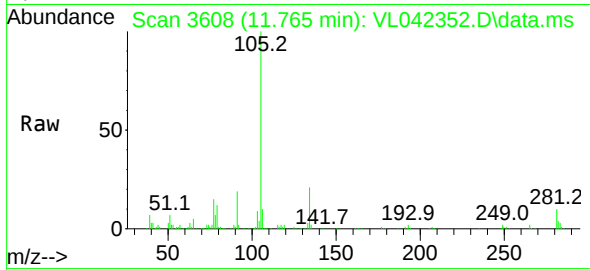
134 19.5 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.032 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

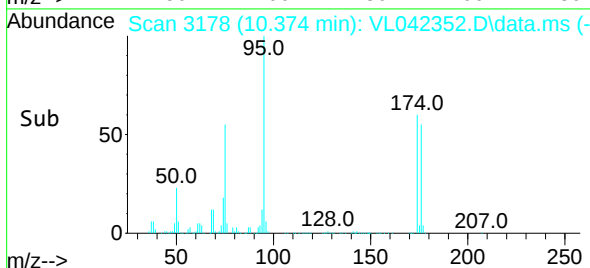
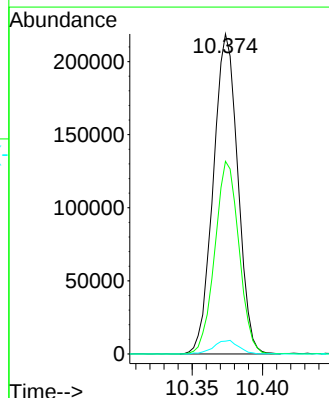
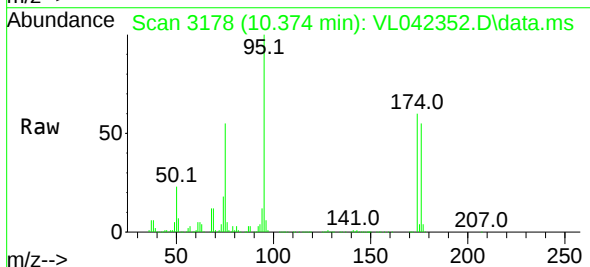
Tgt Ion: 95 Resp: 265161

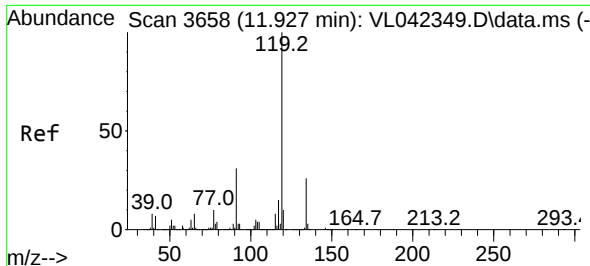
Ion Ratio Lower Upper

95 100

174 59.4 48.5 72.7

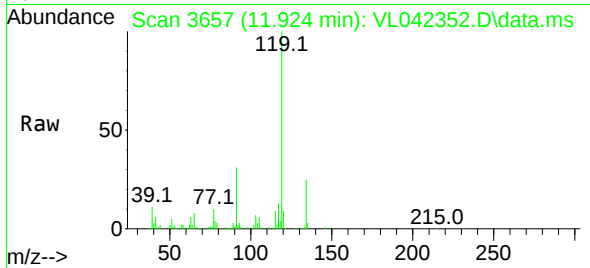
175 4.3 3.7 5.5





#69
p-Isopropyltoluene
Concen: 0.541 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

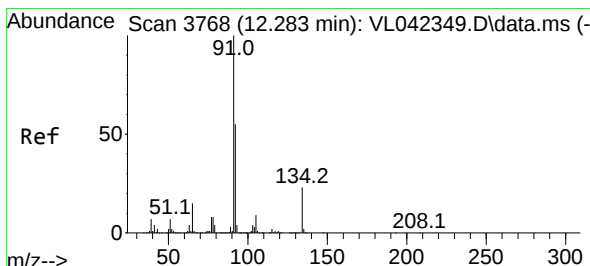
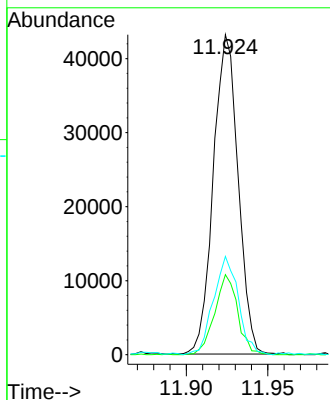
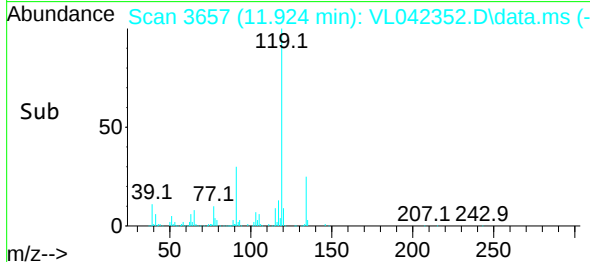
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



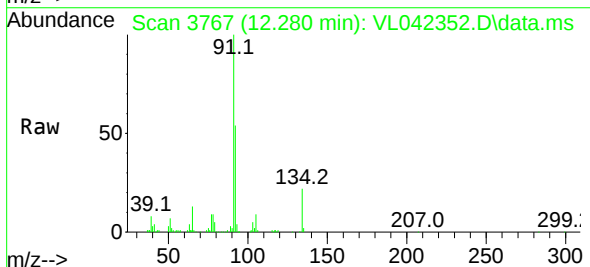
Tgt Ion:119 Resp: 45574
Ion Ratio Lower Upper
119 100
134 23.3 20.0 30.0
91 31.4 24.4 36.6

Manual Integrations
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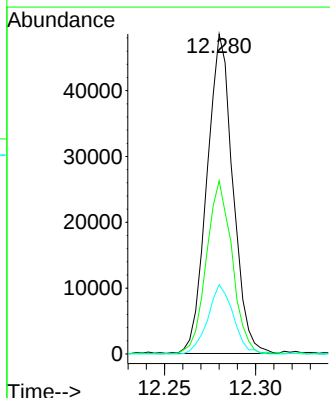
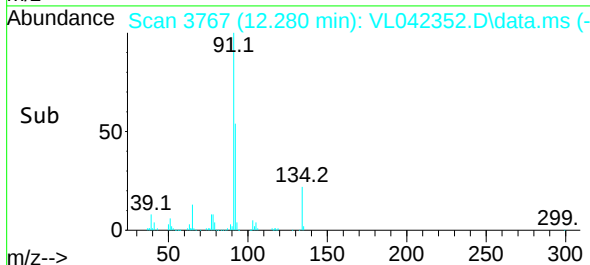
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

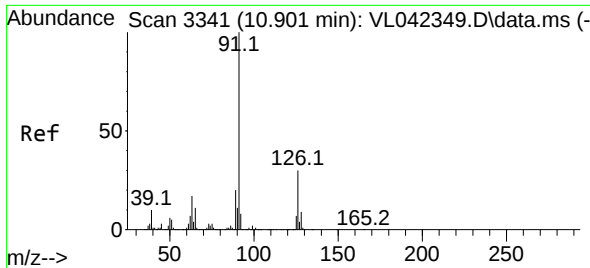


#70
n-Butylbenzene
Concen: 0.547 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



Tgt Ion: 91 Resp: 48004
Ion Ratio Lower Upper
91 100
92 54.7 44.2 66.4
134 21.4 18.2 27.4





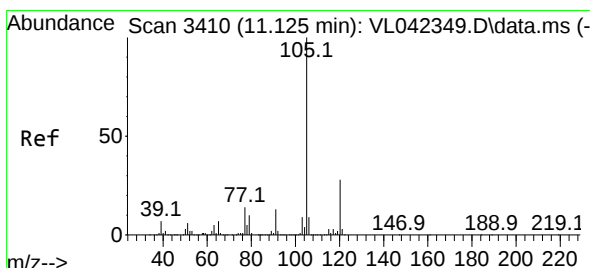
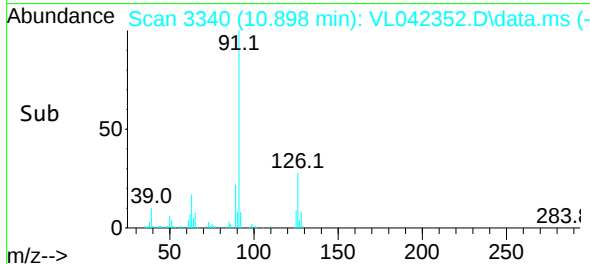
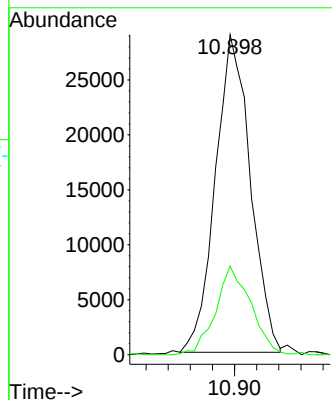
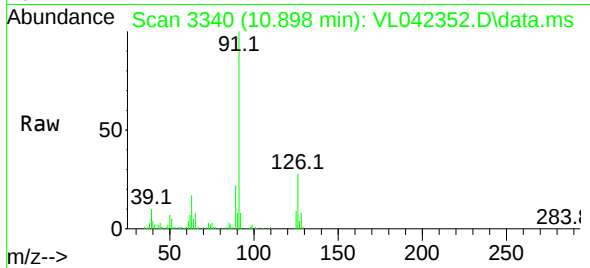
#71
2-Chlorotoluene
Concen: 0.533 ppbv
RT: 10.898 min Scan# 3170
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 3170
Ion Ratio Lower Upper
91 100
126 28.3 11.4 45.4

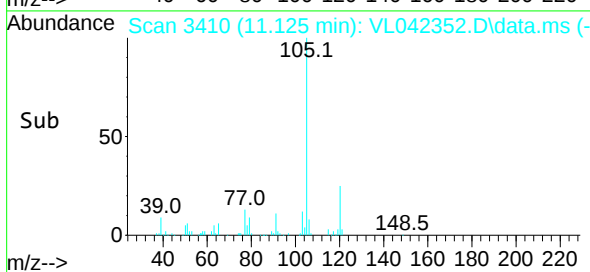
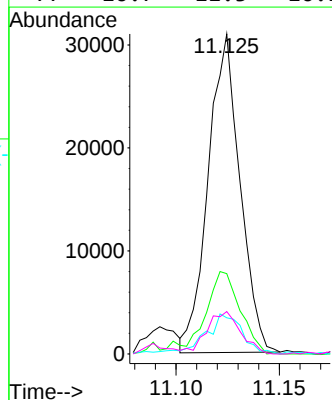
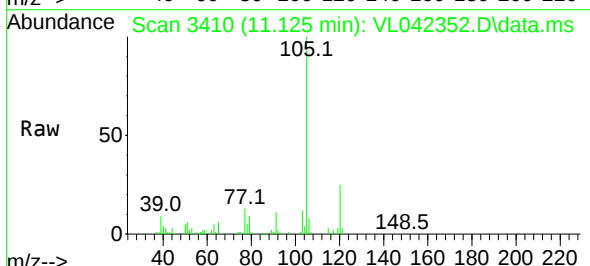
Manual Integrations
APPROVED

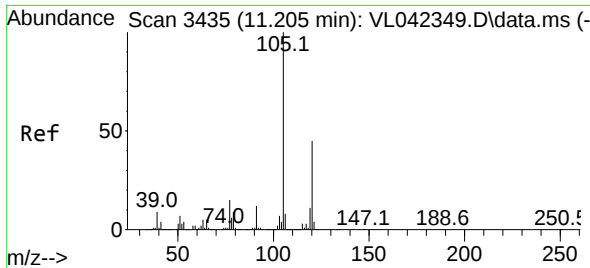
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#72
4-Ethyltoluene
Concen: 0.523 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

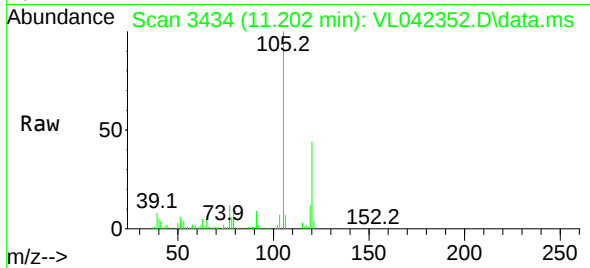
Tgt Ion:105 Resp: 33048
Ion Ratio Lower Upper
105 100
120 30.5 23.2 34.8
91 15.7 10.4 15.6#
77 16.7 11.3 16.9





#73
1,3,5-Trimethylbenzene
Concen: 0.546 ppbv
RT: 11.202 min Scan# 3435
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

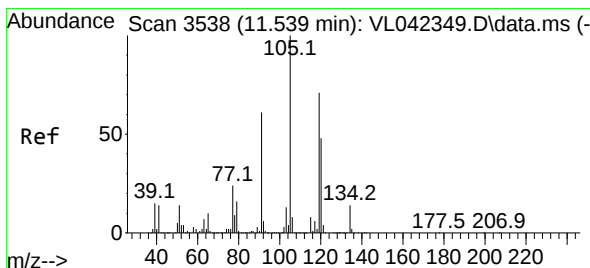
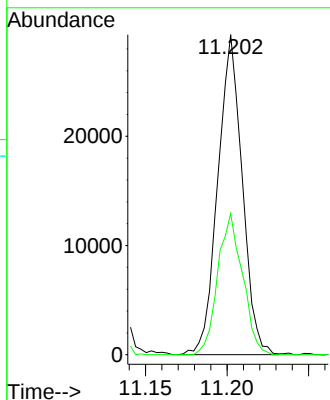
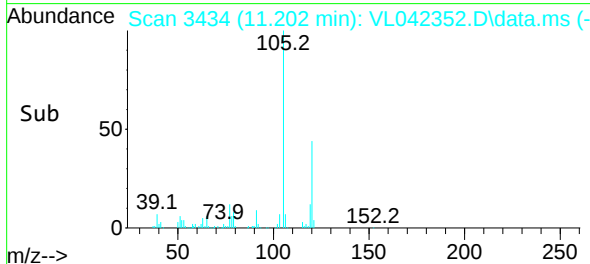
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



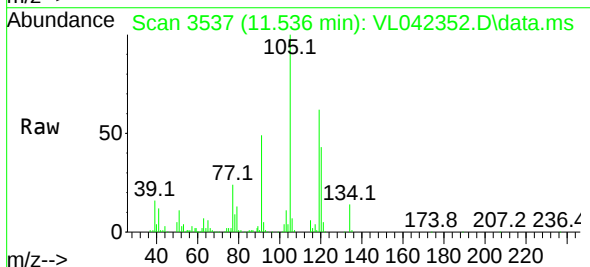
Tgt Ion:105 Resp: 3046
Ion Ratio Lower Upper
105 100
120 44.1 35.6 53.4

Manual Integrations
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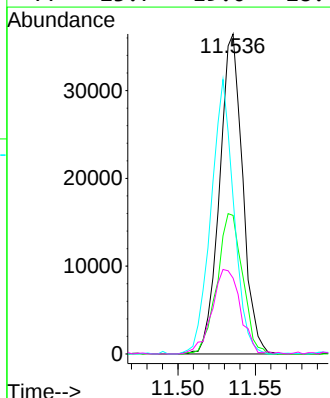
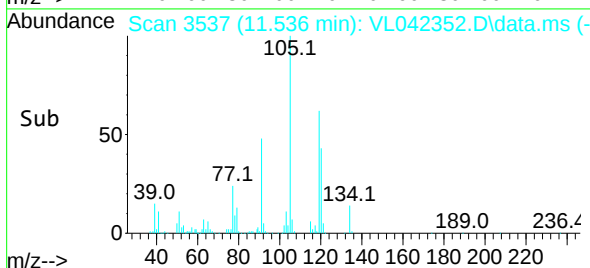
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

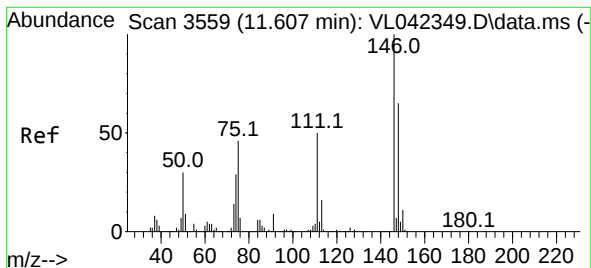


#74
1,2,4-Trimethylbenzene
Concen: 0.579 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



Tgt Ion:105 Resp: 37765
Ion Ratio Lower Upper
105 100
120 43.3 38.1 57.1
91 48.7 48.8 73.2#
77 23.7 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 0.531 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.000 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

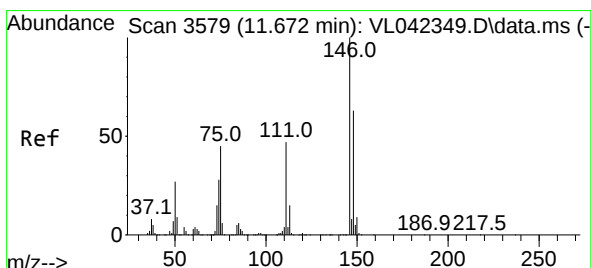
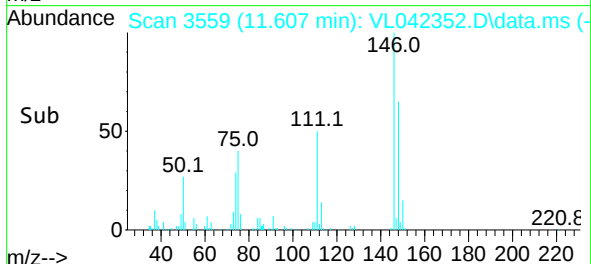
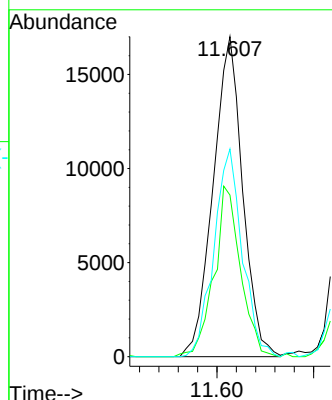
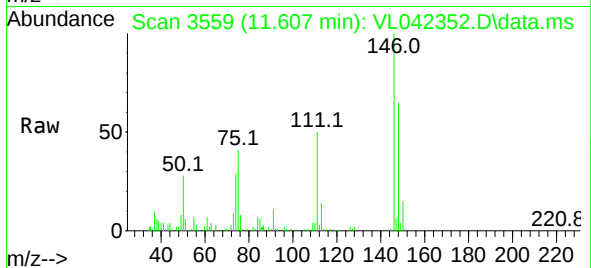
VSTDIC0.5

Tgt Ion:	146	Resp:	1800
Ion Ratio	Lower	Upper	
146	100		
111	47.9	24.3	72.8
148	62.9	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#76

1,4-Dichlorobenzene

Concen: 0.537 ppbv

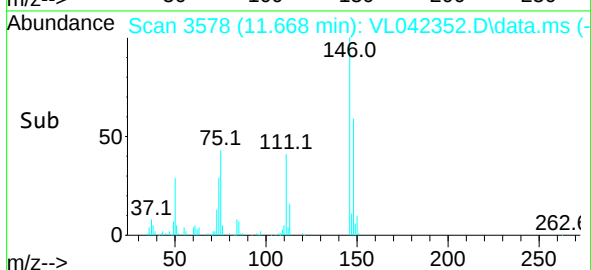
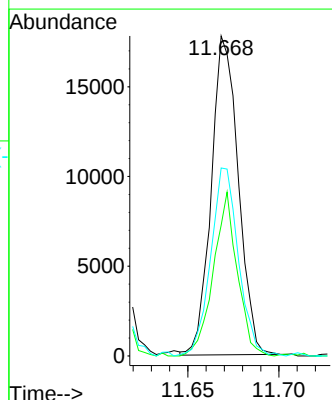
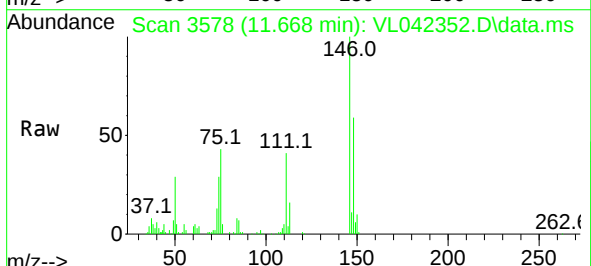
RT: 11.668 min Scan# 3578

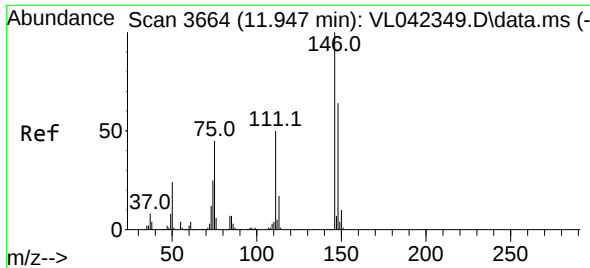
Delta R.T. -0.003 min

Lab File: VL042352.D

Acq: 17 Apr 2025 11:19

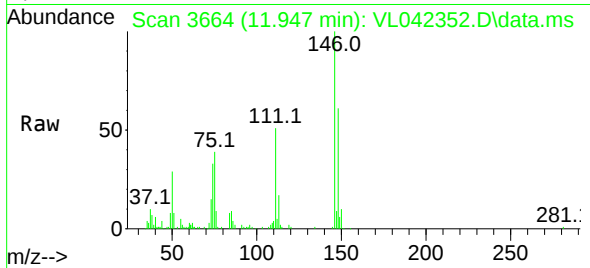
Tgt Ion:	146	Resp:	18300
Ion Ratio	Lower	Upper	
146	100		
111	45.9	24.2	72.6
148	61.2	32.1	96.5





#77
1,2-Dichlorobenzene
Concen: 0.530 ppbv
RT: 11.947 min Scan# 30
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

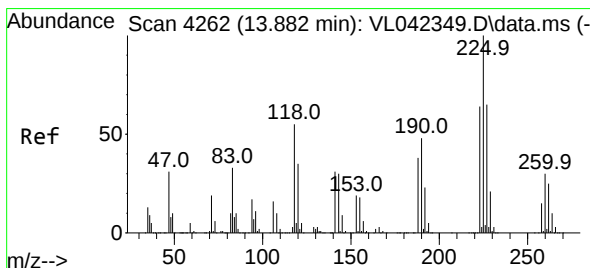
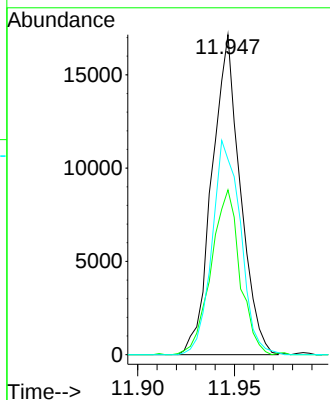
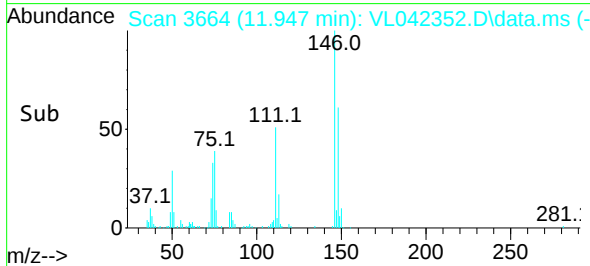
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



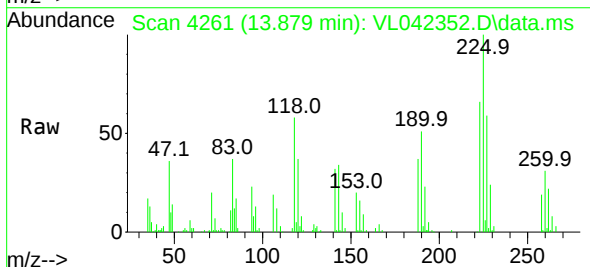
Tgt Ion:146 Resp: 17440
Ion Ratio Lower Upper
146 100
111 52.6 25.3 75.9
148 67.5 31.5 94.5

Manual Integrations
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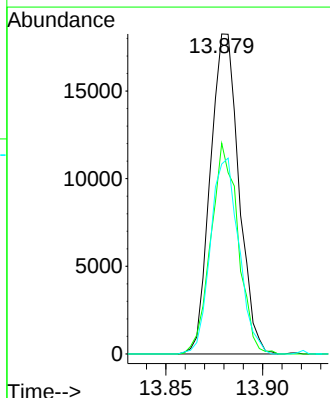
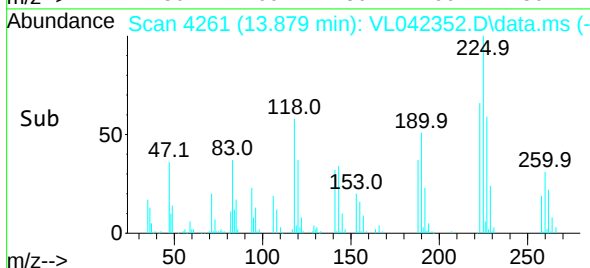
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

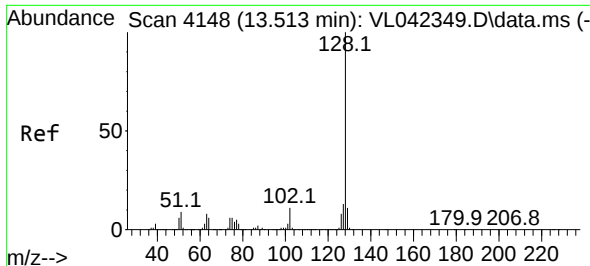


#78
Hexachloro-1,3-Butadiene
Concen: 0.562 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



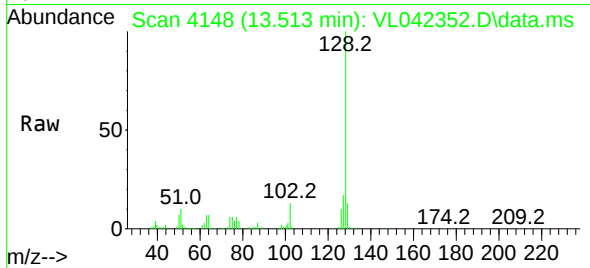
Tgt Ion:225 Resp: 18705
Ion Ratio Lower Upper
225 100
223 62.8 50.3 75.5
227 61.1 51.5 77.3





#79
Naphthalene
Concen: 0.494 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

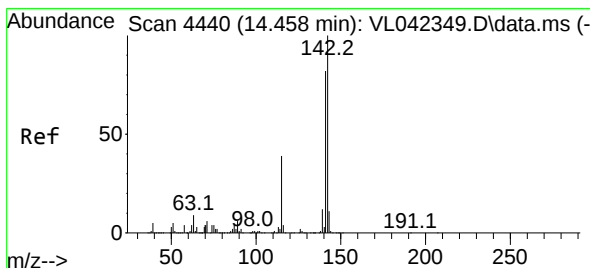
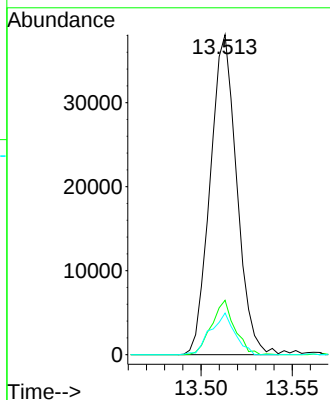
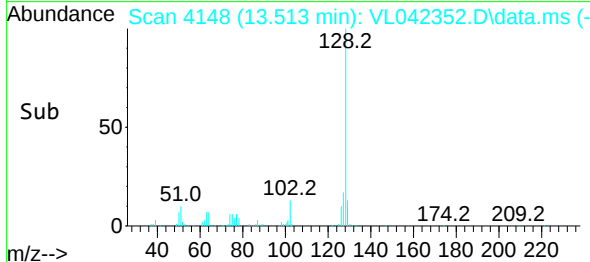
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



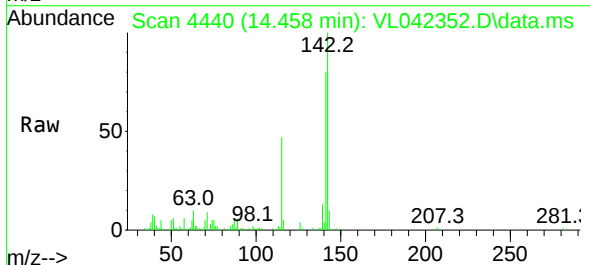
Tgt Ion:128 Resp: 3852
Ion Ratio Lower Upper
128 100
127 17.0 10.6 15.8
129 13.0 8.6 12.8

Manual Integrations
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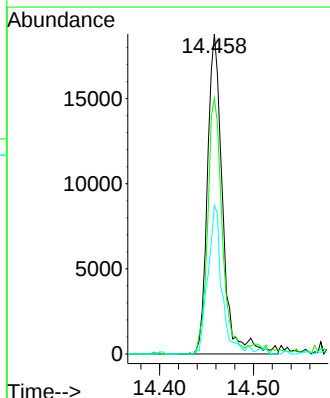
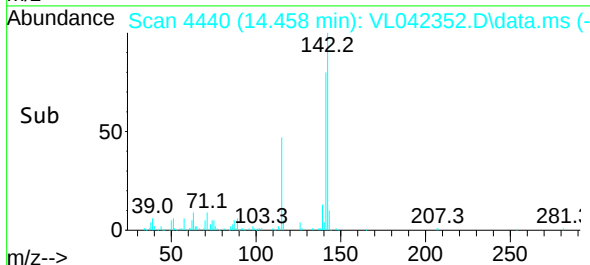
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

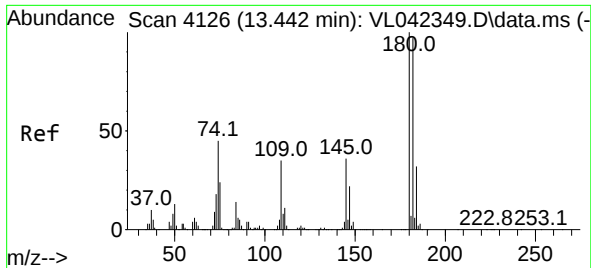


#80
Naphthalene,2-methyl-
Concen: 0.475 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19



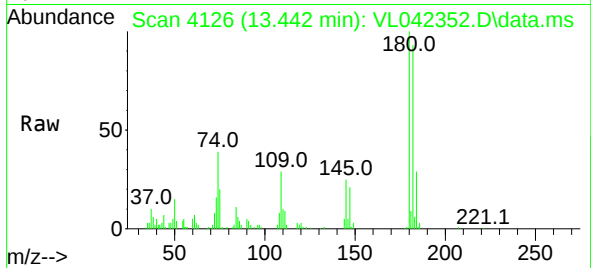
Tgt Ion:142 Resp: 21076
Ion Ratio Lower Upper
142 100
141 79.2 66.8 100.2
115 44.1 33.4 50.2





#81
 1,2,4-Trichlorobenzene
 Concen: 0.493 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042352.D
 Acq: 17 Apr 2025 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:180 Resp: 16504
 Ion Ratio Lower Upper
 180 100
 182 92.4 76.8 115.2
 184 30.2 24.6 36.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

