

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
 Data File : VL042418.D
 Acq On : 28 Apr 2025 10:10
 Operator : SY/MD
 Sample : VL0428ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

Quant Time: Apr 29 01:32:38 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 02:14:00 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/29/2025
 Supervised By : Mahesh Dadoda 04/30/2025

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

Internal Standards						
1) Bromochloromethane	2.780	49	122448	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	337202	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	299130	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 258626 10.521 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	216893	10.025	ppbv	99
3) Chlorodifluoromethane	1.473	51	187830	9.117	ppbv	97
4) Chloromethane	1.531	50	82976	9.692	ppbv	98
5) Vinyl Chloride	1.576	62	81506	8.746	ppbv	96
6) Bromomethane	1.664	94	37549	9.379	ppbv	86
7) Chloroethane	1.703	64	31924	9.472	ppbv	98
8) Dichlorotetrafluoroethane	1.550	85	184850	9.952	ppbv	95
9) Propene	1.482	41	74980	7.992	ppbv	95
10) Heptane	4.968	43	199403	7.565	ppbv	99
11) Trichlorofluoromethane	1.874	101	205815	10.004	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.136	101	161799	9.619	ppbv	97
13) Ethanol	1.719	45	4439	2.977	ppbv	81
14) Bromoethene	1.780	108	60748	9.581	ppbv	97
15) Acetone	1.832	43	172651	8.613	ppbv	99
16) 1,3-Butadiene	1.605	39	86553	9.028	ppbv	94
17) tert-Butyl alcohol	2.036	59	221069	8.899	ppbv	100
18) 1,1-Dichloroethene	2.029	96	72496	9.225	ppbv	98
19) Isopropyl Alcohol	1.884	45	97525	8.758	ppbv	88
20) Methylene Chloride	2.059	84	62175	7.920	ppbv	89
21) Allyl Chloride	2.091	41	124058	8.964	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	82175	9.184	ppbv	97
23) Vinyl Acetate	2.457	43	67206	8.283	ppbv #	99
24) 1,1-Dichloroethane	2.405	63	159644	9.393	ppbv	99
25) Ethyl Acetate	2.832	43	419372	8.485	ppbv	99
26) Hexane	2.819	57	162255	8.112	ppbv	99
27) Carbon Disulfide	2.146	76	200806	9.377	ppbv	97
28) Methyl tert-Butyl Ether	2.437	73	114239	8.718	ppbv	92
29) Chloroform	2.842	83	275655	9.751	ppbv	100
30) Cyclohexane	3.848	84	138766	8.583	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	179960	9.464	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	301358	9.469	ppbv	100
34) 2-Butanone	2.554	43	230104	8.628	ppbv	99
35) Carbon Tetrachloride	3.755	117	302298	9.906	ppbv	96
36) Benzene	3.648	78	329117	9.049	ppbv	94
37) 1,2-Dichloroethane	3.214	62	232279	10.641	ppbv	97
38) Trichloroethene	4.541	130	131178	8.252	ppbv	93
39) 1,2-Dichloropropane	4.308	63	119692	8.831	ppbv	93
40) 1,4-Dioxane	4.577	88	59666	8.010	ppbv #	91
41) Tetrahydrofuran	3.049	42	131046	8.428	ppbv	98
42) Bromodichloromethane	4.480	83	310553	10.222	ppbv #	99
43) Methyl Methacrylate	4.871	69	136249	8.312	ppbv	97
44) 2,2,4-Trimethylpentane	4.628	57	546967	8.707	ppbv	97
45) t-1,3-Dichloropropene	6.402	75	152930	9.133	ppbv	96

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/30/2025

Quant Time: Apr 29 01:32:38 2025

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

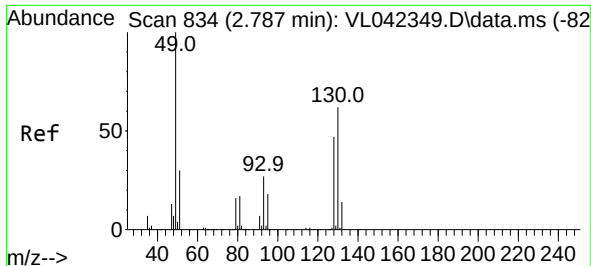
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

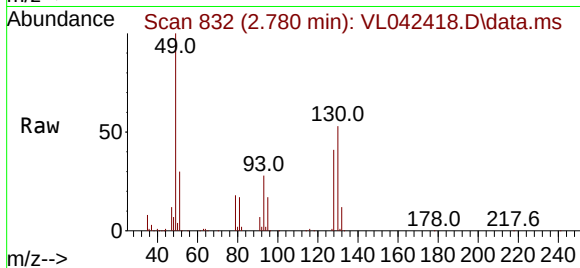
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	185557	9.055	ppbv	91
47) 1,1,2-Trichloroethane	6.574	97	130821	9.474	ppbv	95
48) Dibromochloromethane	7.376	129	237927	9.753	ppbv	100
49) Bromoform	9.477	173	196872	9.229	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	342379	7.726	ppbv	98
51) 2-Hexanone	7.428	43	280580	7.060	ppbv #	95
52) Tetrachloroethene	8.218	164	113273	8.058	ppbv	95
53) Toluene	6.923	91	388626	8.904	ppbv	99
54) 1,2-Dibromoethane	7.642	107	181632	9.191	ppbv	92
56) 1,1,1,2-Tetrachloroethane	8.917	131	180122	9.949	ppbv	96
57) Chlorobenzene	8.917	112	294922	9.480	ppbv	97
58) Ethyl Benzene	9.347	91	552423	9.321	ppbv	100
59) m/p-Xylene	9.545	91	907157m	19.000	ppbv	
60) o-Xylene	9.959	91	457491	9.515	ppbv	98
61) Styrene	9.865	104	208517	9.086	ppbv	97
62) Isopropylbenzene	10.535	105	673842	9.546	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.956	83	273641	8.783	ppbv	100
64) n-propylbenzene	10.985	120	164482	9.271	ppbv	98
65) tert-Butylbenzene	11.526	119	612519	9.441	ppbv	95
66) Benzyl Chloride	11.610	91	54781	7.684	ppbv	98
67) sec-Butylbenzene	11.765	105	846457	9.380	ppbv	99
69) p-Isopropyltoluene	11.921	119	722909	9.221	ppbv	97
70) n-Butylbenzene	12.277	91	771835	9.452	ppbv	98
71) 2-Chlorotoluene	10.898	91	532755	9.623	ppbv	96
72) 4-Ethyltoluene	11.121	105	554770	9.438	ppbv	97
73) 1,3,5-Trimethylbenzene	11.199	105	481697	9.283	ppbv	94
74) 1,2,4-Trimethylbenzene	11.532	105	537510	8.869	ppbv #	89
75) 1,3-Dichlorobenzene	11.603	146	284652	9.035	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	284740	8.992	ppbv	98
77) 1,2-Dichlorobenzene	11.943	146	278619	9.095	ppbv	98
78) Hexachloro-1,3-Butadiene	13.876	225	271569	8.779	ppbv	99
79) Naphthalene	13.510	128	614768	8.482	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	316027	7.651	ppbv	96
81) 1,2,4-Trichlorobenzene	13.435	180	271657	8.729	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

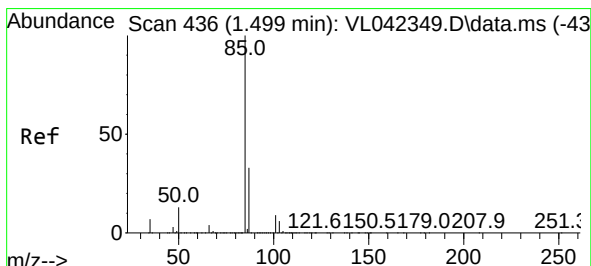
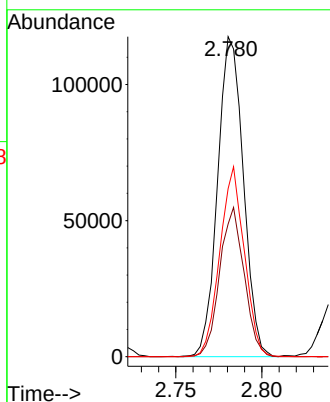
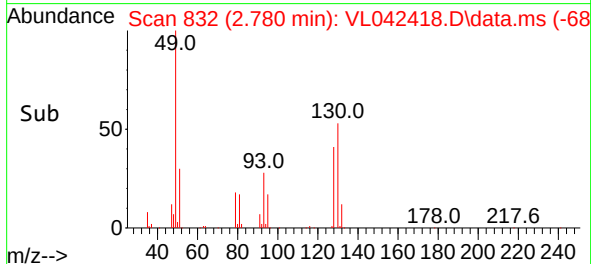
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01



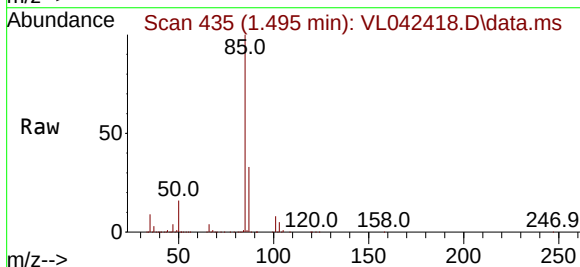
Tgt Ion: 49 Resp: 122448
Ion Ratio Lower Upper
49 100
128 44.3 22.8 68.4
130 56.4 29.3 88.0

Manual Integrations
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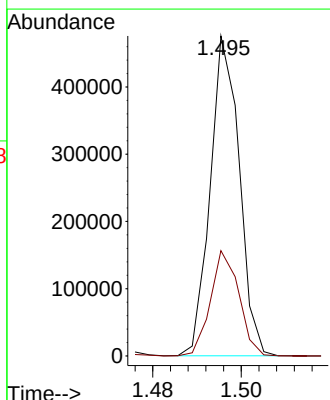
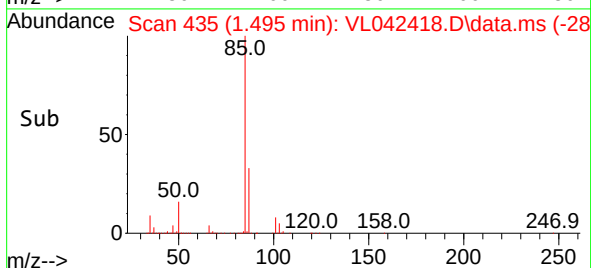
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

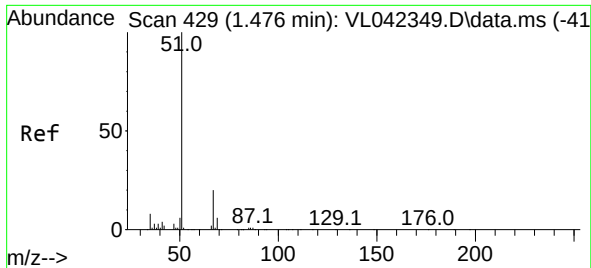


#2
Dichlorodifluoromethane
Concen: 10.025 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10



Tgt Ion: 85 Resp: 216893
Ion Ratio Lower Upper
85 100
87 32.9 26.6 39.8





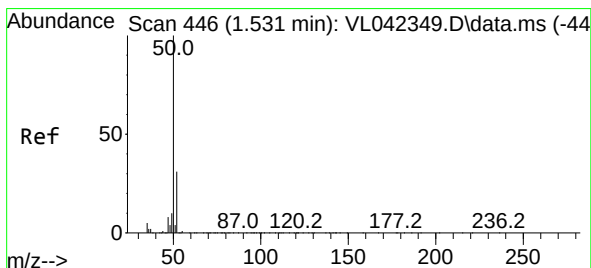
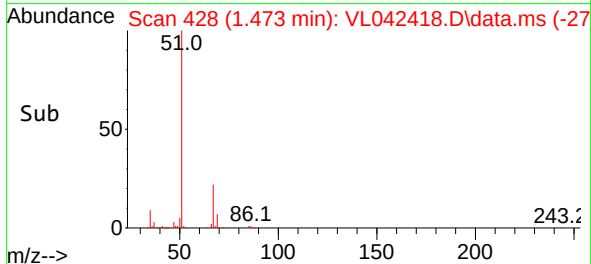
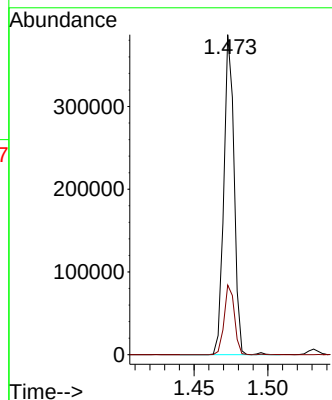
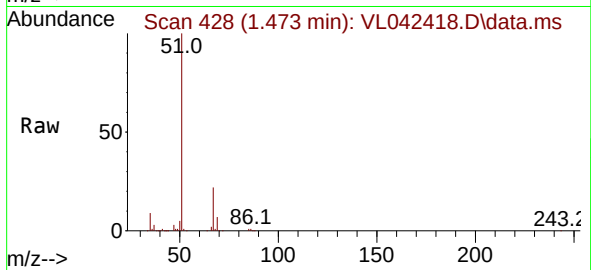
#3
Chlorodifluoromethane
Concen: 9.117 ppbv
RT: 1.473 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument : MSVOA_L
ClientSampleId : VL0428ABS01

Tgt Ion: 51 Resp: 187830
Ion Ratio Lower Upper
51 100
67 21.8 16.2 24.4

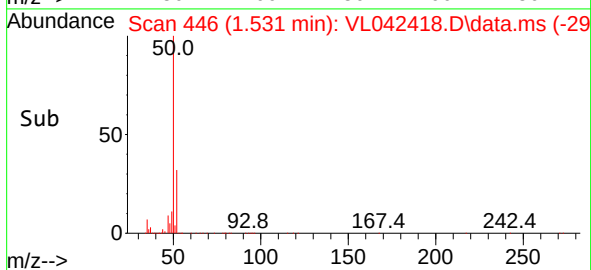
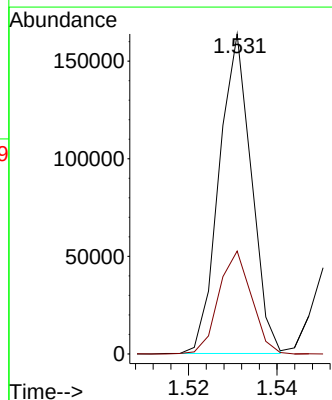
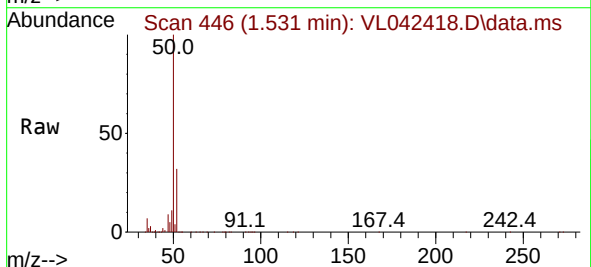
Manual Integrations
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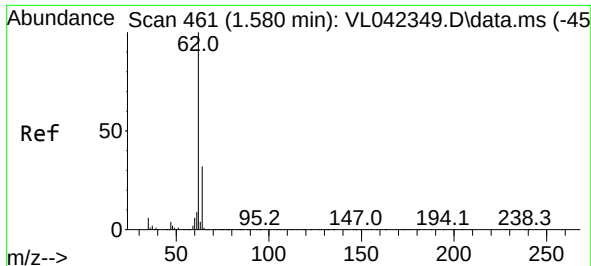
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#4
Chloromethane
Concen: 9.692 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 50 Resp: 82976
Ion Ratio Lower Upper
50 100
52 32.0 24.7 37.1





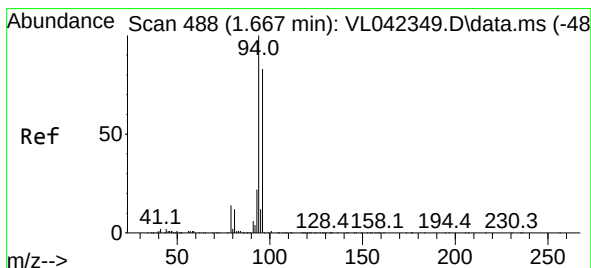
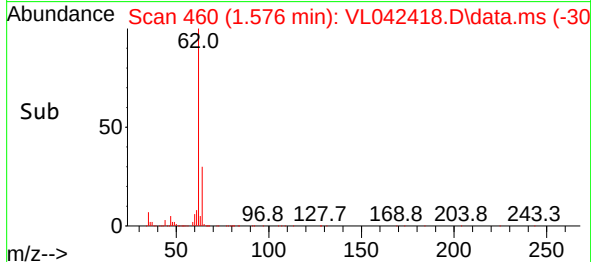
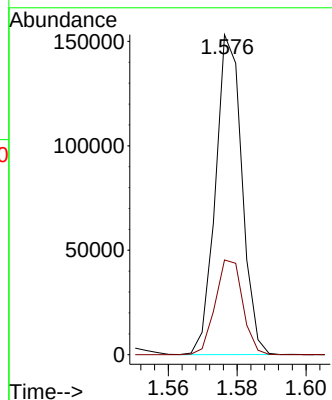
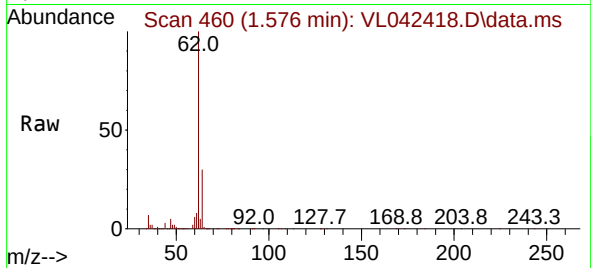
#5
 Vinyl Chloride
 Concen: 8.746 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.003 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

Tgt Ion: 62 Resp: 81500
 Ion Ratio Lower Upper
 62 100
 64 29.6 25.4 38.0

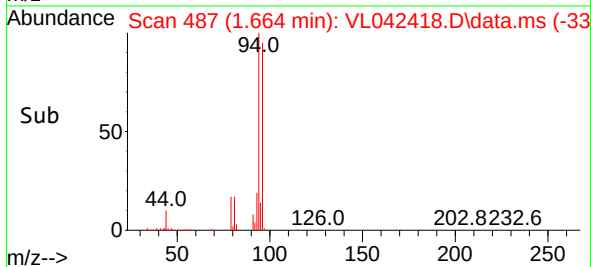
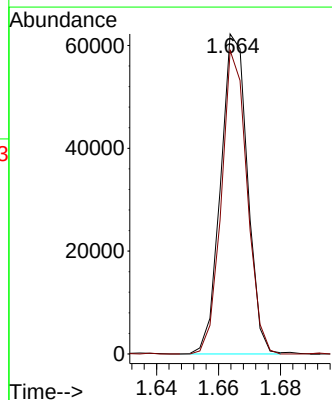
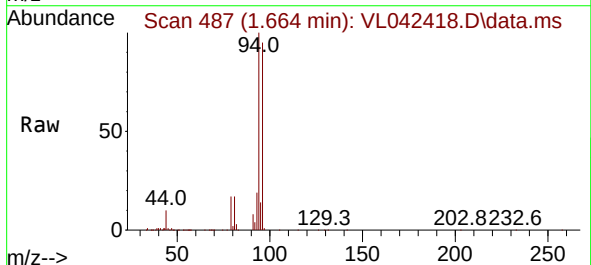
Manual Integrations
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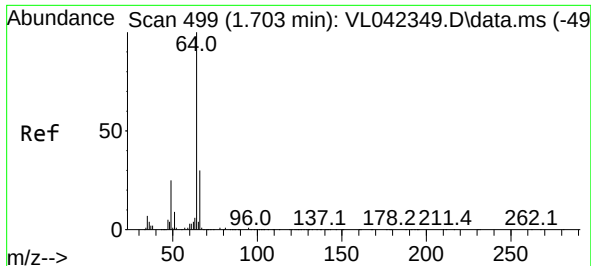
Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#6
 Bromomethane
 Concen: 9.379 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.003 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10

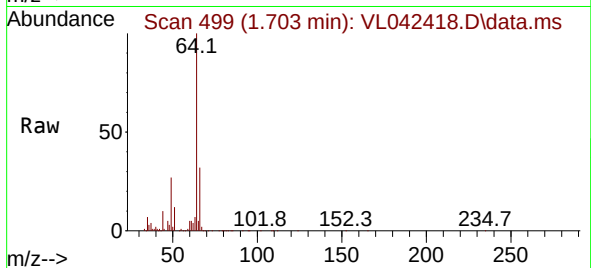
Tgt Ion: 94 Resp: 37549
 Ion Ratio Lower Upper
 94 100
 96 94.8 66.2 99.2





#7
Chloroethane
Concen: 9.472 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

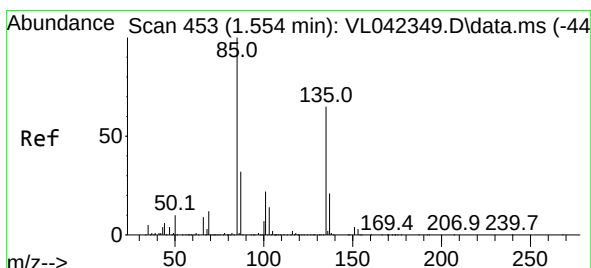
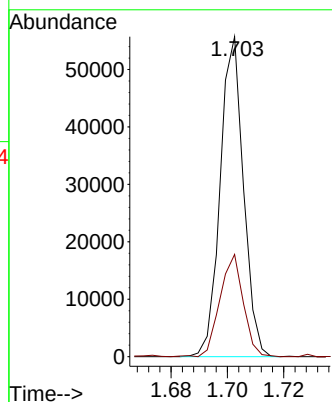
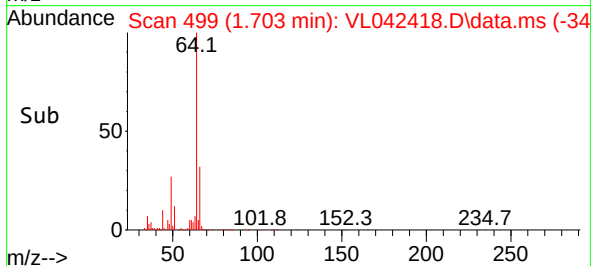
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01



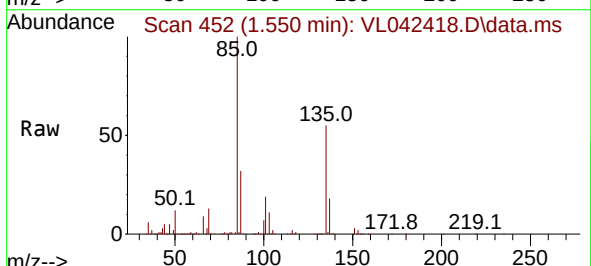
Tgt Ion: 64 Resp: 31924
Ion Ratio Lower Upper
64 100
66 31.9 24.6 37.0

Manual Integrations
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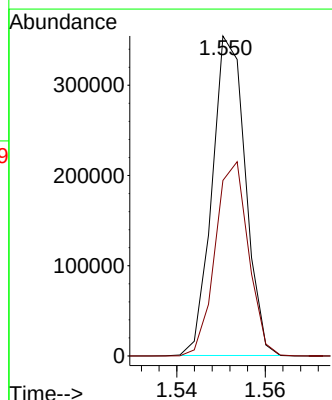
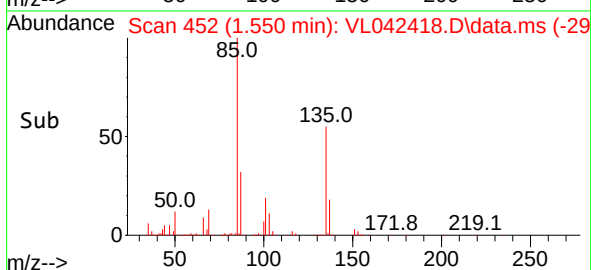
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

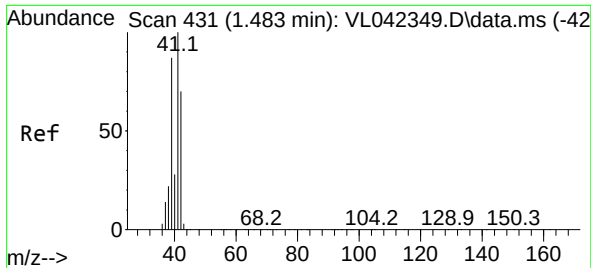


#8
Dichlorotetrafluoroethane
Concen: 9.952 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10



Tgt Ion: 85 Resp: 184850
Ion Ratio Lower Upper
85 100
135 60.9 52.2 78.2





#9

Propene

Concen: 7.992 ppbv

RT: 1.482 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

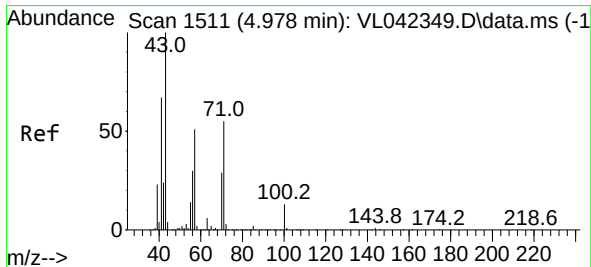
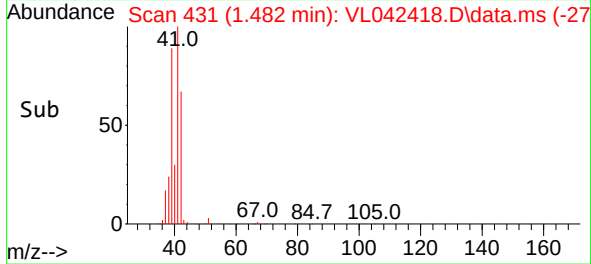
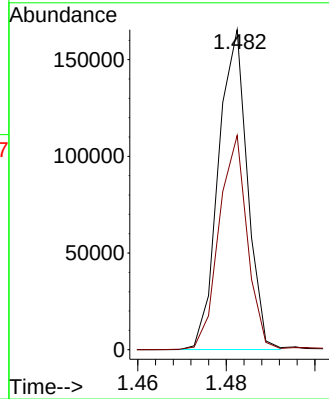
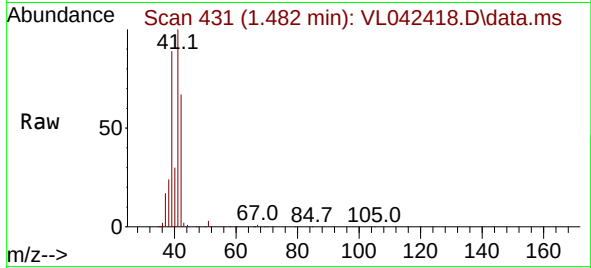
VL0428ABS01

Tgt Ion: 41 Resp: 74980
 Ion Ratio Lower Upper
 41 100
 42 66.3 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#10

Heptane

Concen: 7.565 ppbv

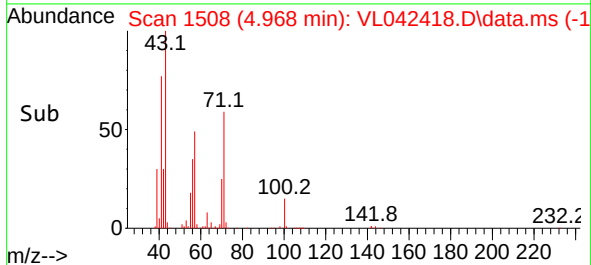
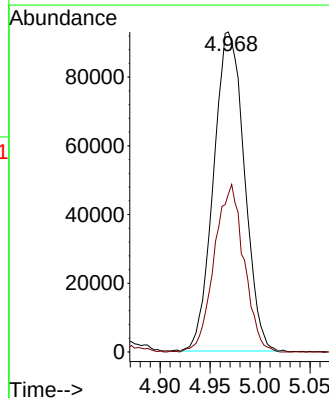
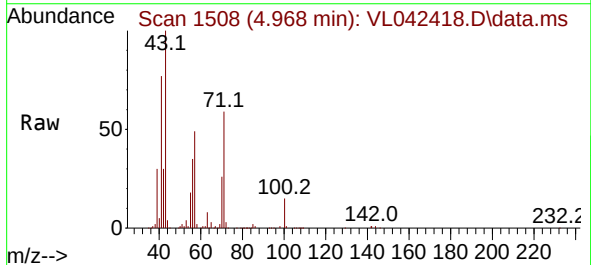
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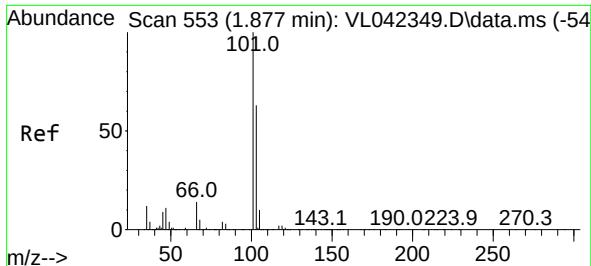
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Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

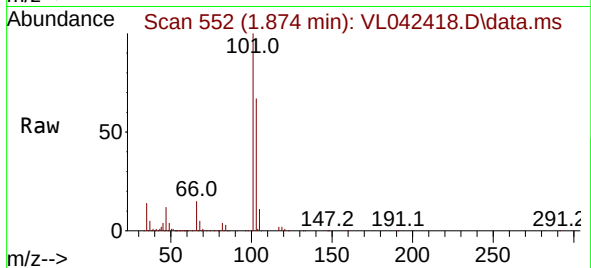
Tgt Ion: 43 Resp: 199403
 Ion Ratio Lower Upper
 43 100
 57 50.6 39.9 59.9





#11
 Trichlorofluoromethane
 Concen: 10.004 ppbv
 RT: 1.874 min Scan# 553
 Delta R.T. -0.003 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10

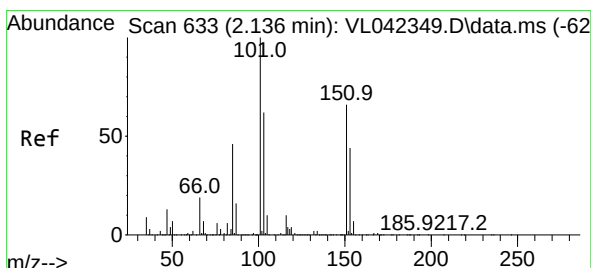
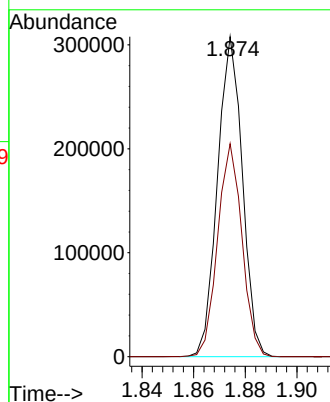
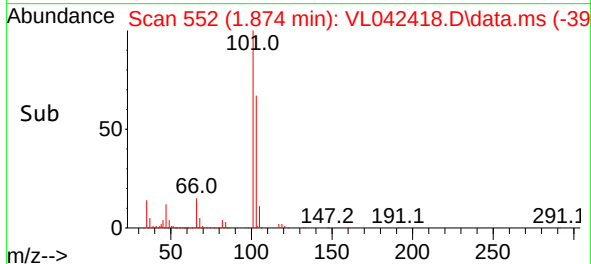
Instrument : MSVOA_L
 ClientSampleId : VL0428ABS01



Tgt Ion:101 Resp: 205819
 Ion Ratio Lower Upper
 101 100
 103 66.5 50.1 75.1

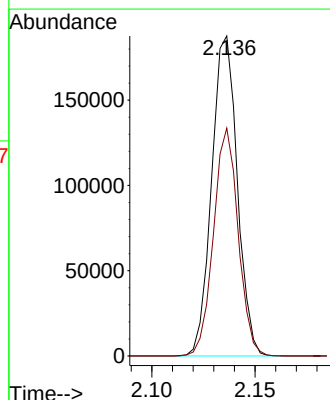
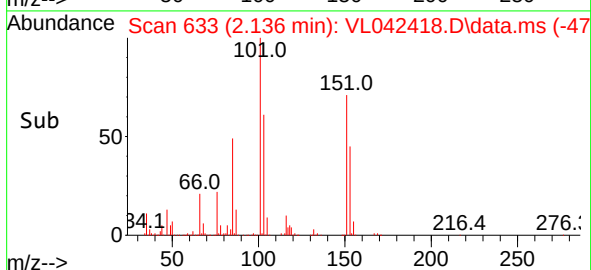
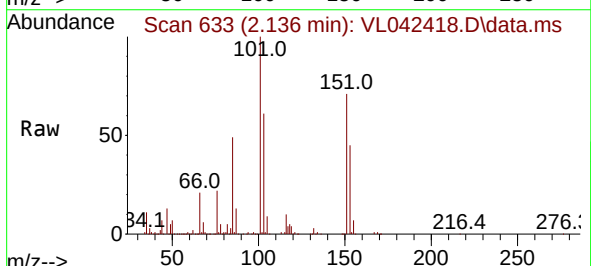
Manual Integrations
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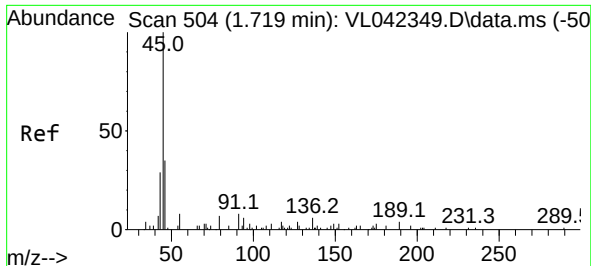
Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.619 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.000 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10

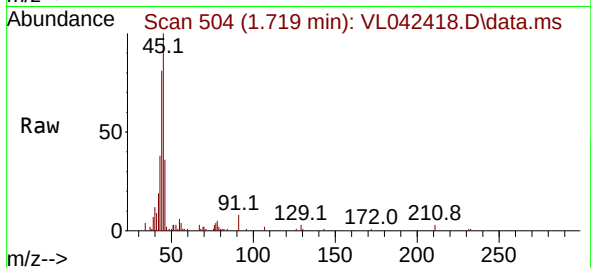
Tgt Ion:101 Resp: 161799
 Ion Ratio Lower Upper
 101 100
 151 68.5 57.0 85.6





#13
Ethanol
Concen: 2.977 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

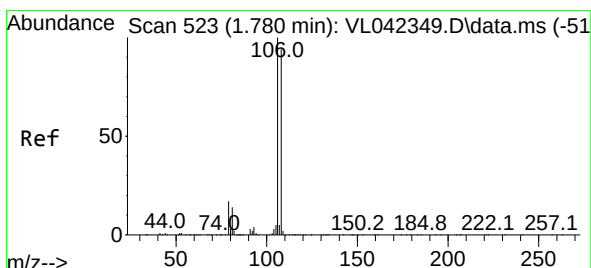
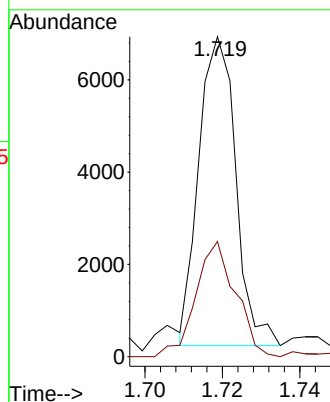
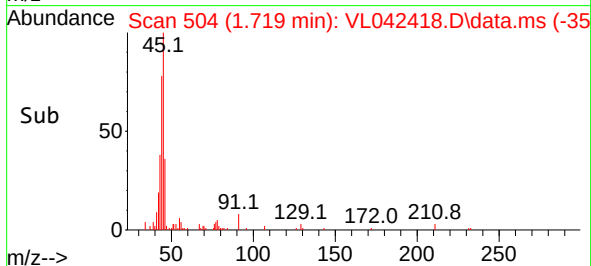
Instrument : MSVOA_L
ClientSampleId : VL0428ABS01



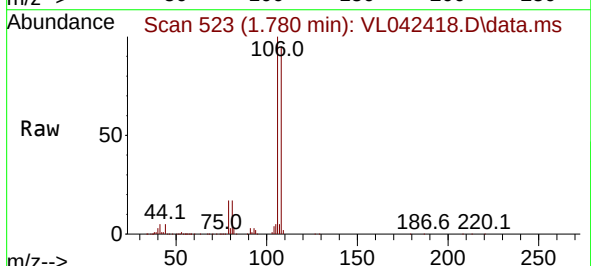
Tgt Ion: 45 Resp: 4439
Ion Ratio Lower Upper
45 100
46 41.4 21.9 87.7

Manual Integrations
APPROVED

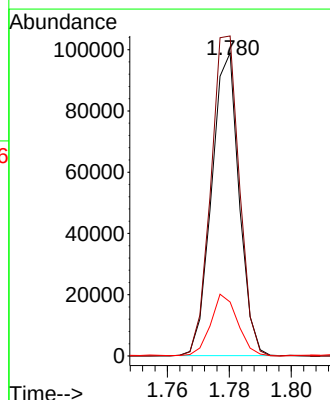
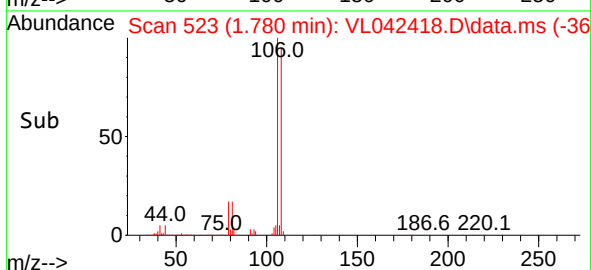
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

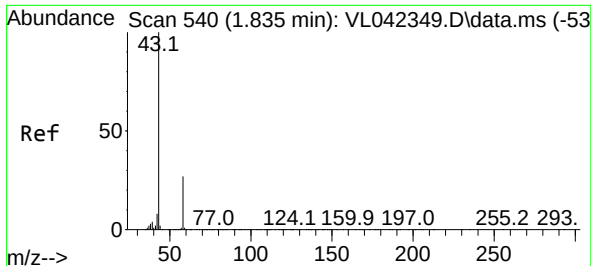


#14
Bromoethene
Concen: 9.581 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10



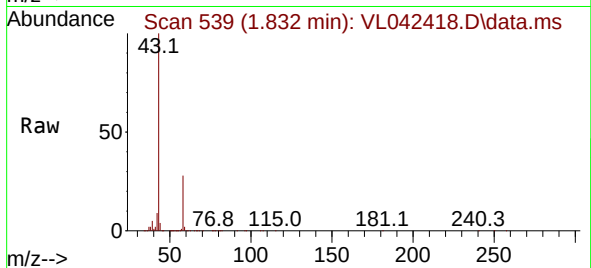
Tgt Ion:108 Resp: 60748
Ion Ratio Lower Upper
108 100
106 110.0 85.9 128.9
79 20.2 13.9 20.9





#15
Acetone
Concen: 8.613 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

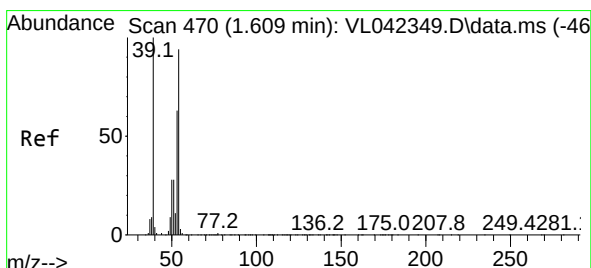
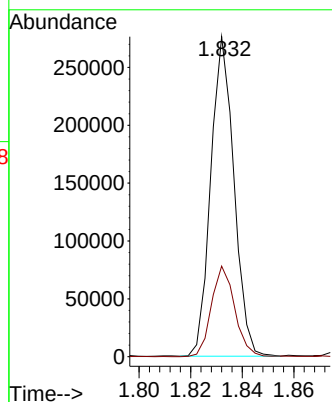
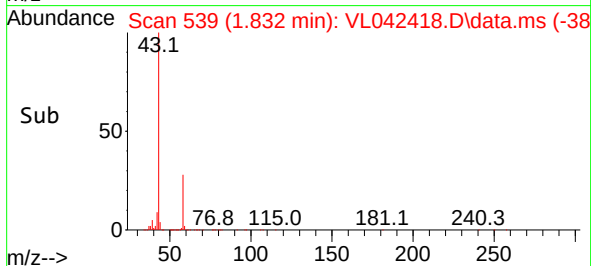
Instrument : MSVOA_L
ClientSampleId : VL0428ABS01



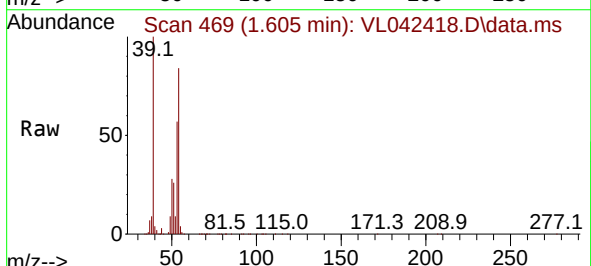
Tgt Ion: 43 Resp: 172653
Ion Ratio Lower Upper
43 100
58 28.8 22.4 33.6

Manual Integrations
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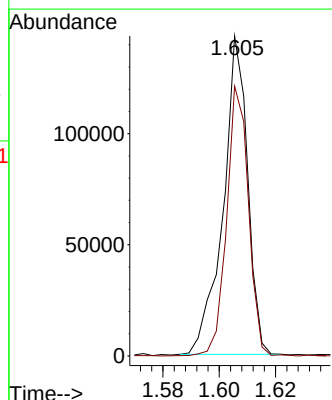
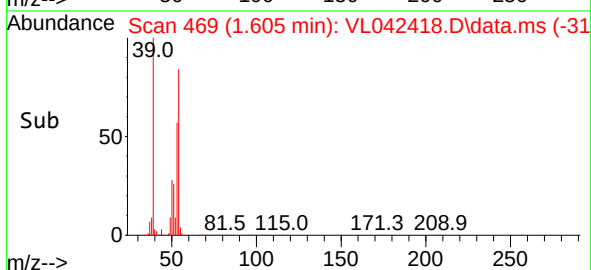
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

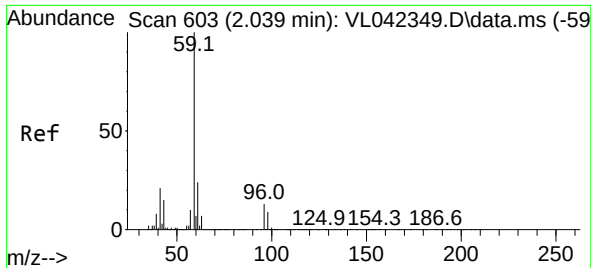


#16
1,3-Butadiene
Concen: 9.028 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10



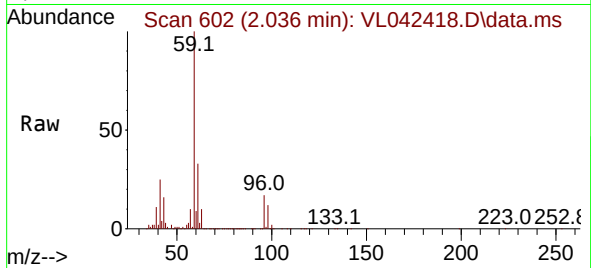
Tgt Ion: 39 Resp: 86553
Ion Ratio Lower Upper
39 100
54 75.3 64.9 97.3





#17
tert-Butyl alcohol
Concen: 8.899 ppbv
RT: 2.036 min Scan# 603
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

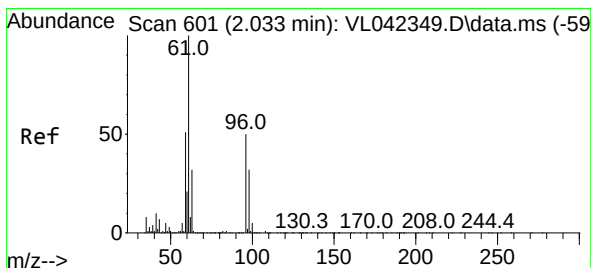
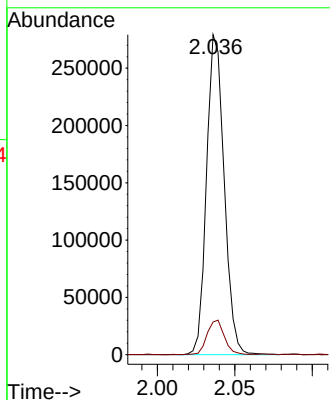
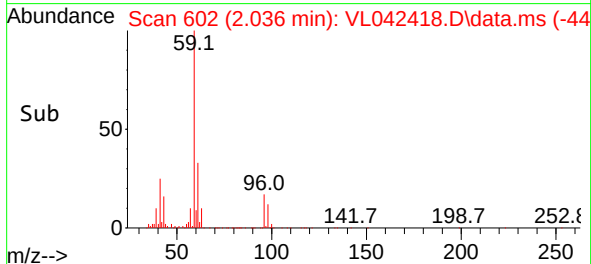
Instrument : MSVOA_L
ClientSampleId : VL0428ABS01



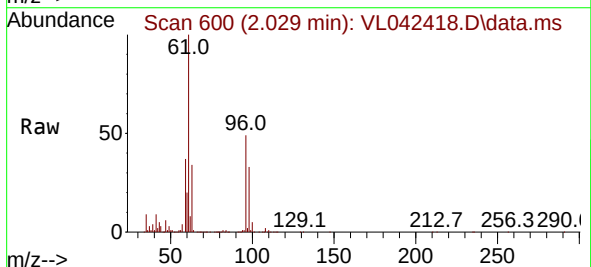
Tgt Ion: 59 Resp: 221069
Ion Ratio Lower Upper
59 100
57 10.8 8.7 13.1

Manual Integrations
APPROVED

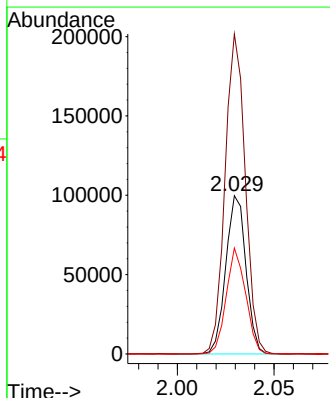
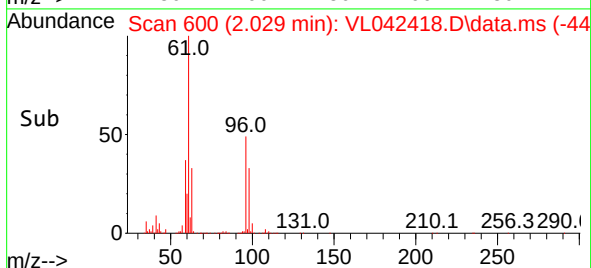
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

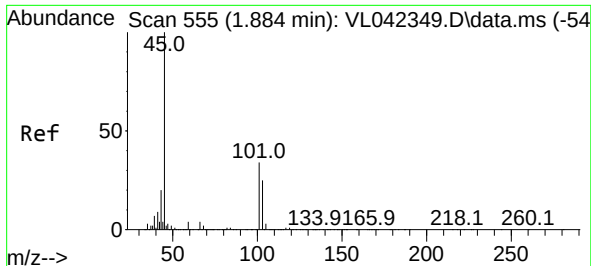


#18
1,1-Dichloroethene
Concen: 9.225 ppbv
RT: 2.029 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10



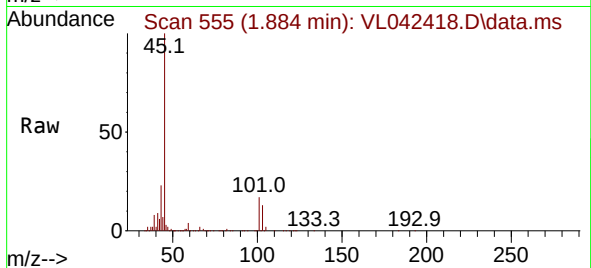
Tgt Ion: 96 Resp: 72496
Ion Ratio Lower Upper
96 100
61 202.1 160.2 240.2
98 66.9 51.0 76.4





#19
Isopropyl Alcohol
Concen: 8.758 ppbv
RT: 1.884 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

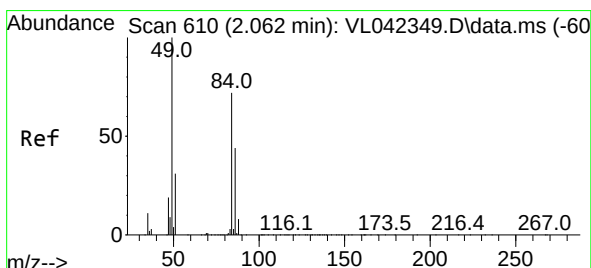
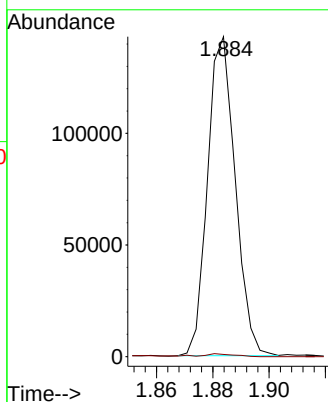
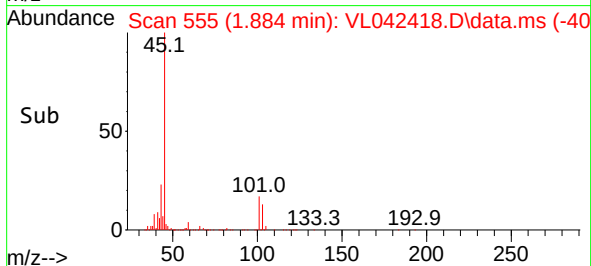
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01



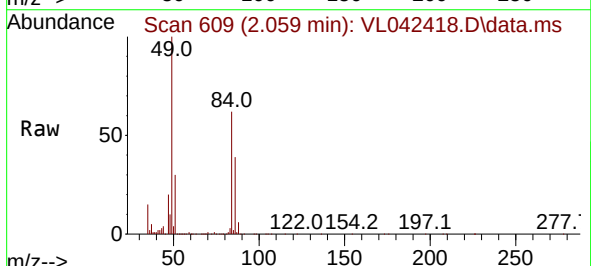
Tgt Ion: 45 Resp: 9752
Ion Ratio Lower Upper
45 100
58 51.0 34.5 51.7

Manual Integrations
APPROVED

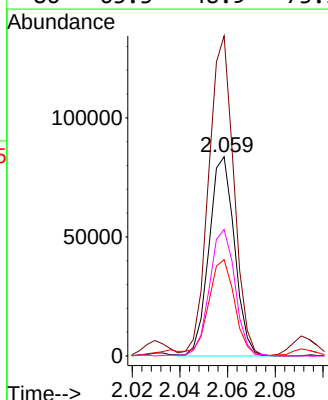
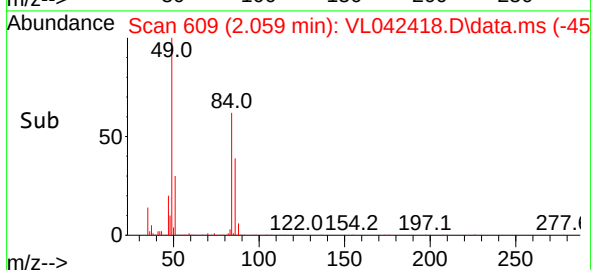
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

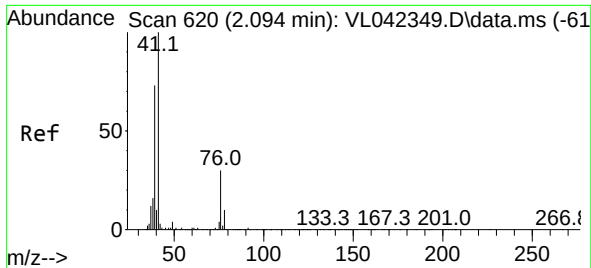


#20
Methylene Chloride
Concen: 7.920 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10



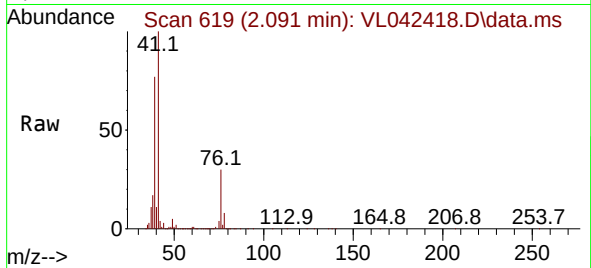
Tgt Ion: 84 Resp: 62175
Ion Ratio Lower Upper
84 100
49 159.9 111.6 167.4
51 47.8 35.1 52.7
86 63.3 48.9 73.3





#21
 Allyl Chloride
 Concen: 8.964 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. -0.003 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10

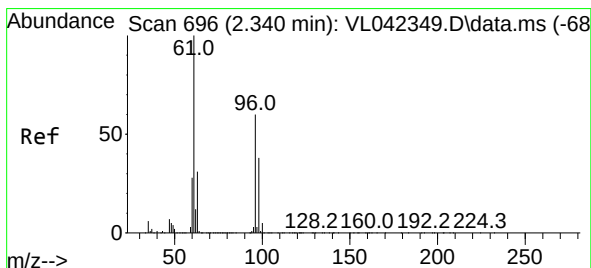
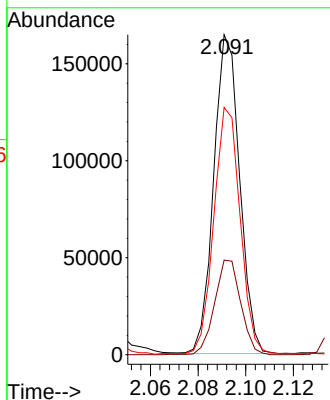
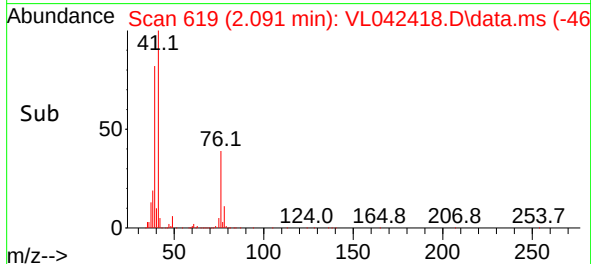
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01



Tgt Ion: 41 Resp: 124058
 Ion Ratio Lower Upper
 41 100
 76 29.9 24.8 37.2
 39 78.6 60.6 90.8

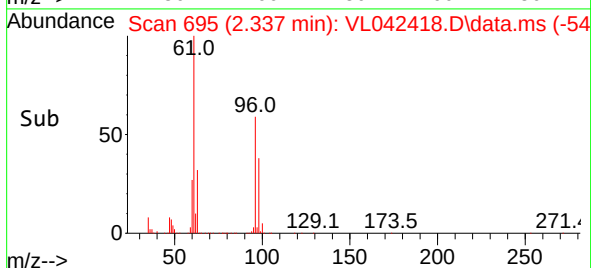
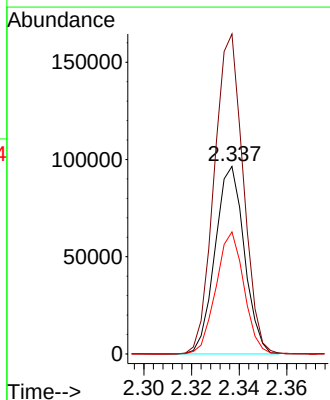
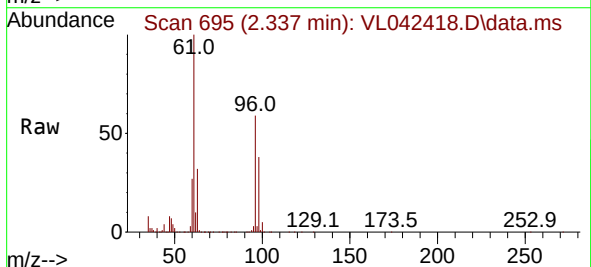
Manual Integrations
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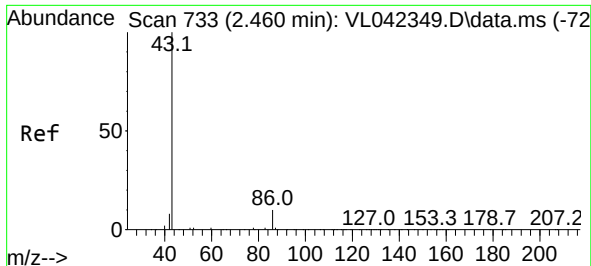
Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.184 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.003 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10

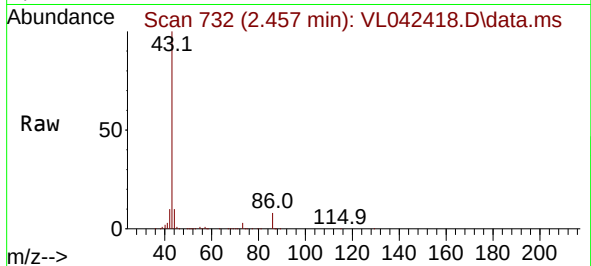
Tgt Ion: 96 Resp: 82175
 Ion Ratio Lower Upper
 96 100
 61 170.5 133.7 200.5
 98 65.0 50.3 75.5





#23
 Vinyl Acetate
 Concen: 8.283 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10

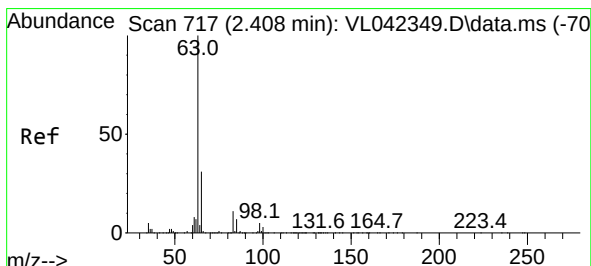
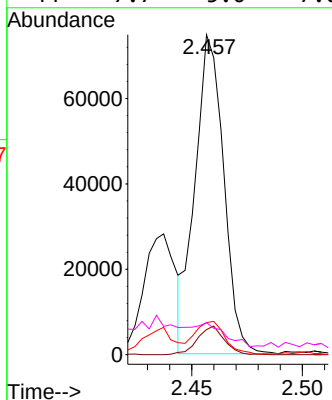
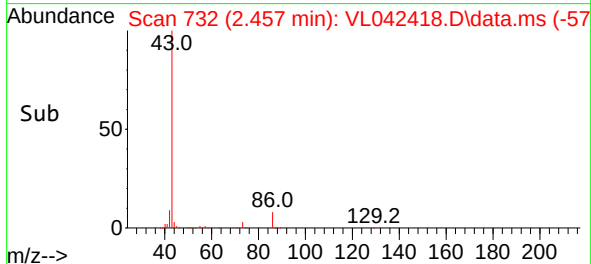
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01



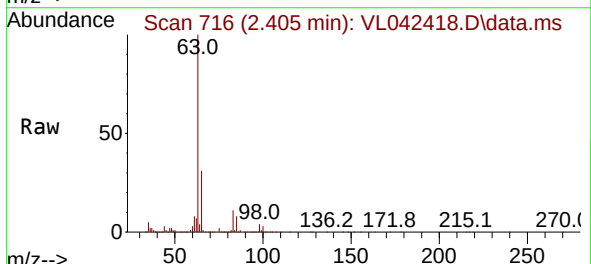
Tgt Ion: 43 Resp: 67200
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.5 9.7
 42 9.8 7.8 11.8
 44 7.7 5.0 7.6#

Manual Integrations
 APPROVED

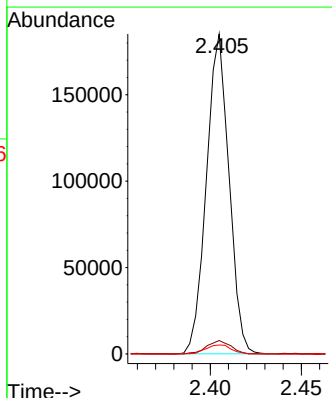
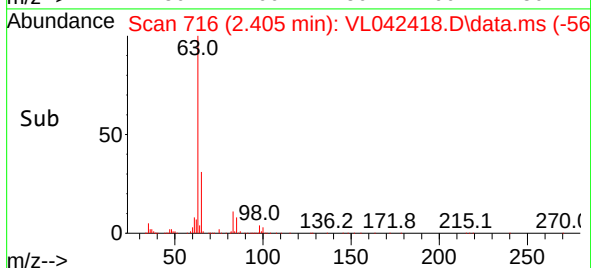
Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/30/2025

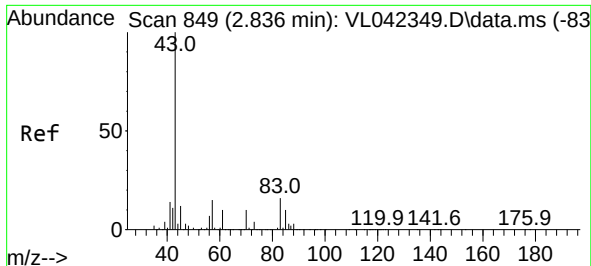


#24
 1,1-Dichloroethane
 Concen: 9.393 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10



Tgt Ion: 63 Resp: 159644
 Ion Ratio Lower Upper
 63 100
 98 4.2 2.3 6.8
 100 2.8 1.6 4.8





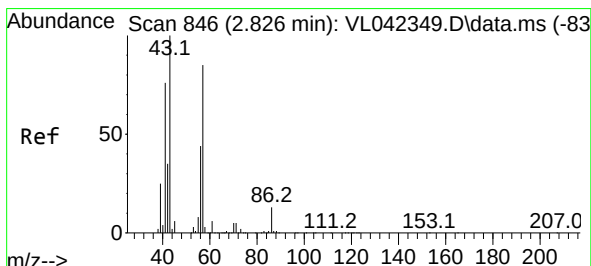
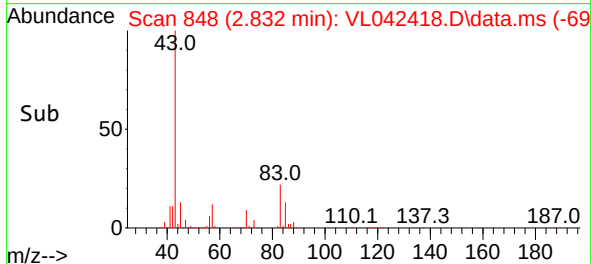
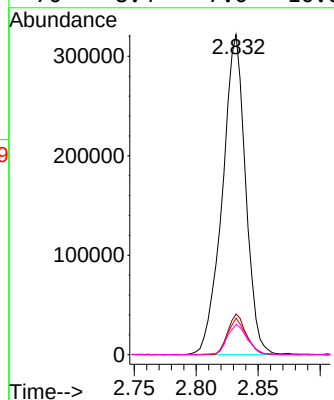
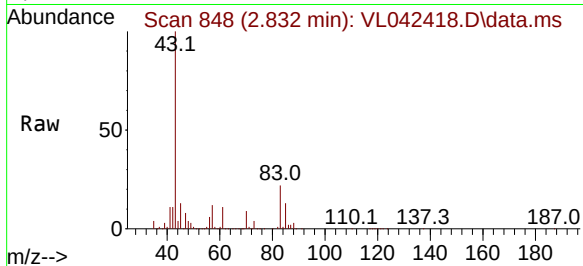
#25
Ethyl Acetate
Concen: 8.485 ppbv
RT: 2.832 min Scan# 844
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 43 Resp: 419372
Ion Ratio Lower Upper
43 100
45 10.2 8.3 12.5
61 9.1 7.3 10.9
70 8.4 7.0 10.6

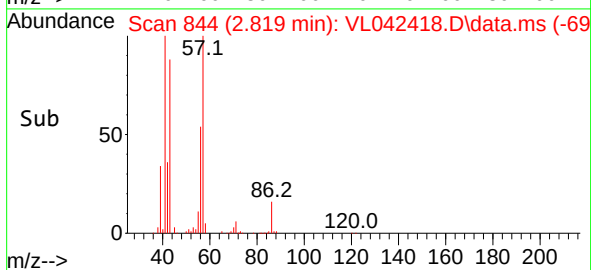
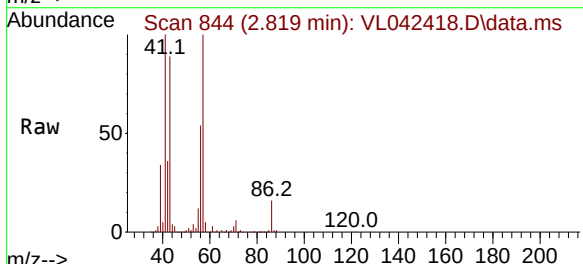
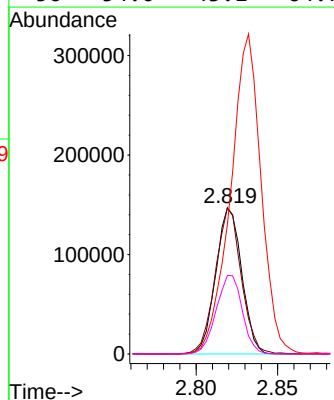
Manual Integrations
APPROVED

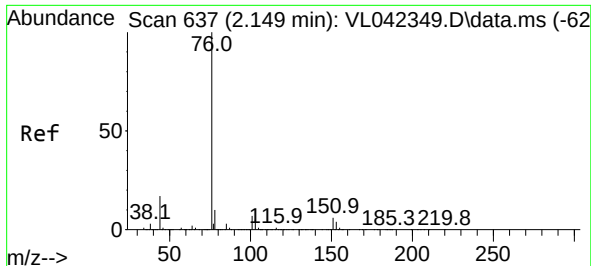
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#26
Hexane
Concen: 8.112 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

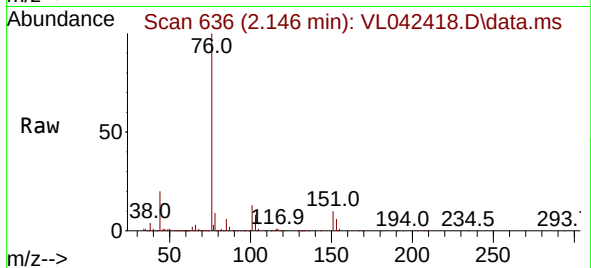
Tgt Ion: 57 Resp: 162255
Ion Ratio Lower Upper
57 100
41 100.5 77.9 116.9
43 258.8 208.4 312.6
56 54.0 43.1 64.7





#27
Carbon Disulfide
Concen: 9.377 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

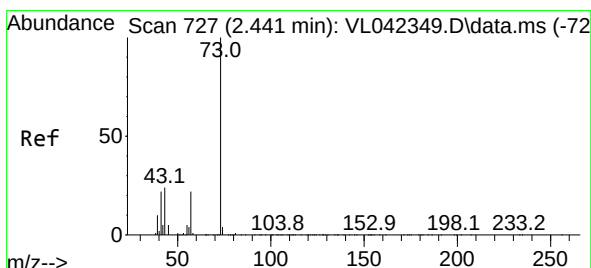
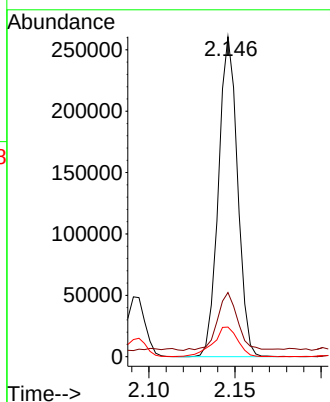
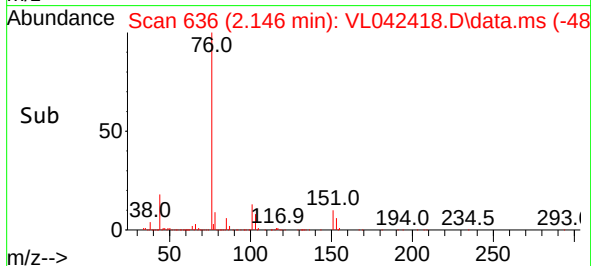
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01



Tgt Ion: 76 Resp: 200800
Ion Ratio Lower Upper
76 100
44 21.3 15.5 23.3
78 12.0 9.3 13.9

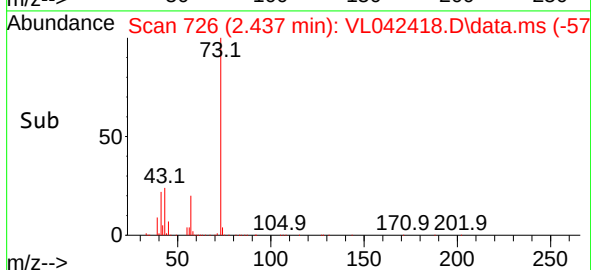
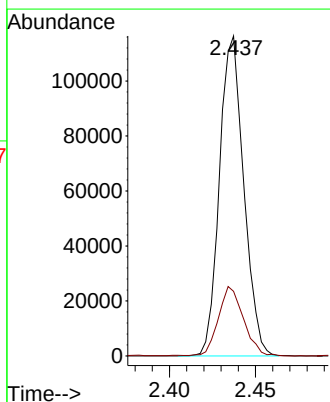
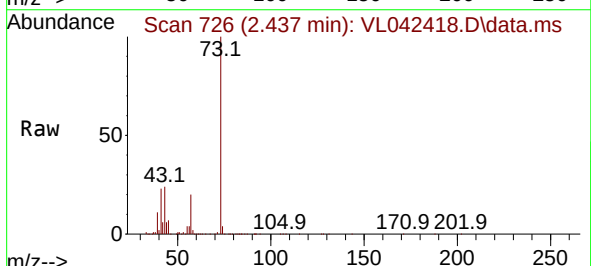
Manual Integrations
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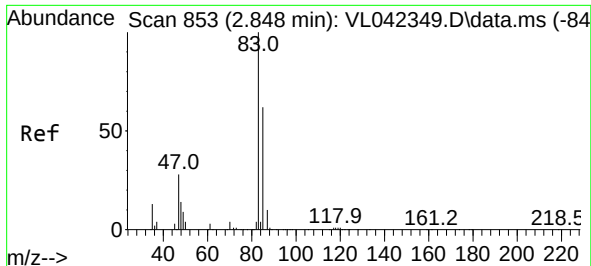
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#28
Methyl tert-Butyl Ether
Concen: 8.718 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 73 Resp: 114239
Ion Ratio Lower Upper
73 100
57 22.6 21.3 31.9





#29

Chloroform

Concen: 9.751 ppbv

RT: 2.842 min Scan# 81

Delta R.T. -0.007 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

Tgt Ion: 83 Resp: 27565

Ion Ratio Lower Upper

83 100

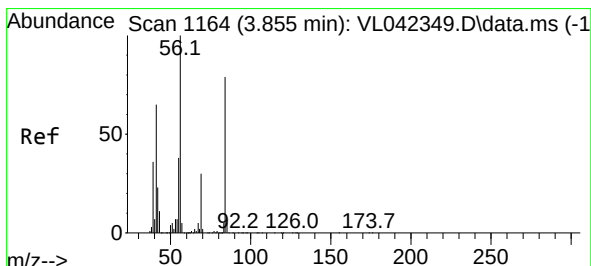
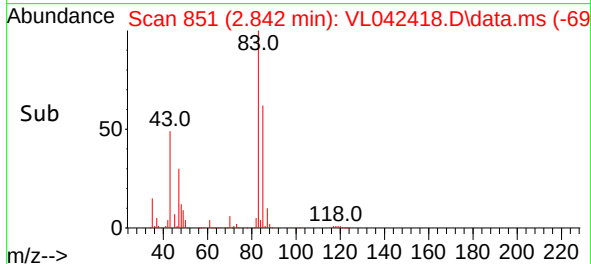
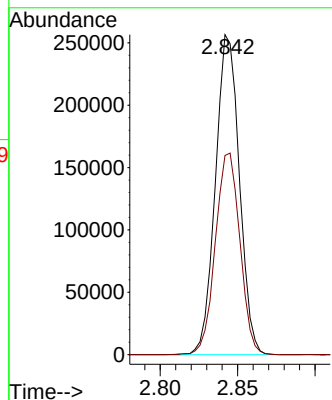
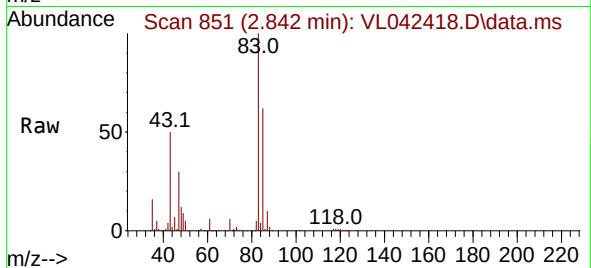
85 62.3 50.0 75.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025



#30

Cyclohexane

Concen: 8.583 ppbv

RT: 3.848 min Scan# 1162

Delta R.T. -0.007 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

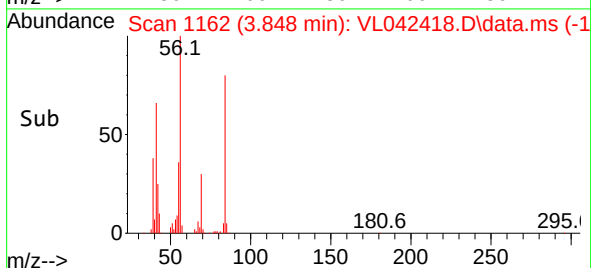
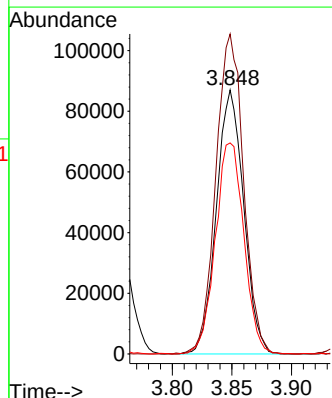
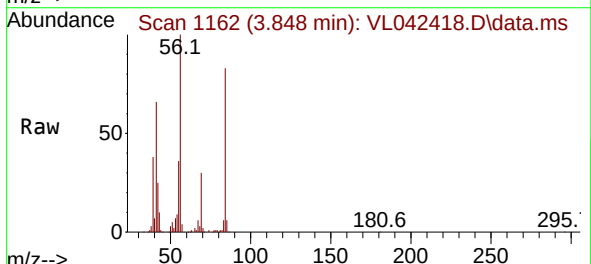
Tgt Ion: 84 Resp: 138766

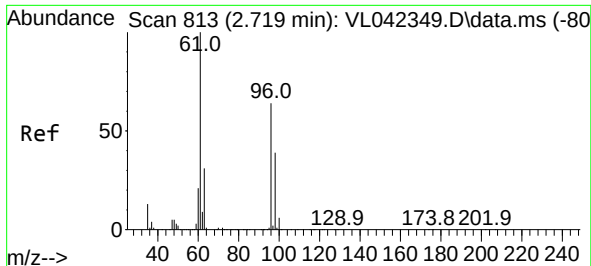
Ion Ratio Lower Upper

84 100

56 122.9 101.0 151.4

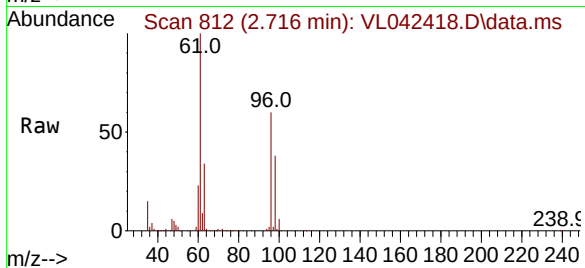
41 83.5 67.4 101.0





#31
 cis-1,2-Dichloroethene
 Concen: 9.464 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10

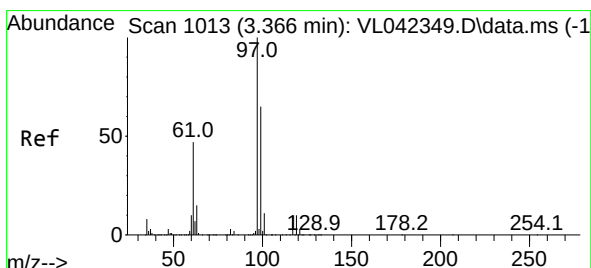
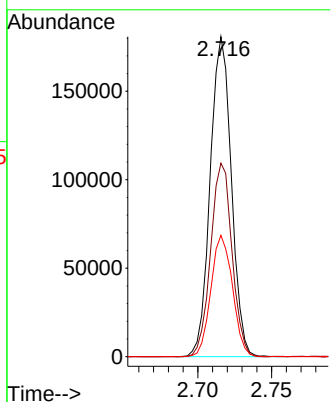
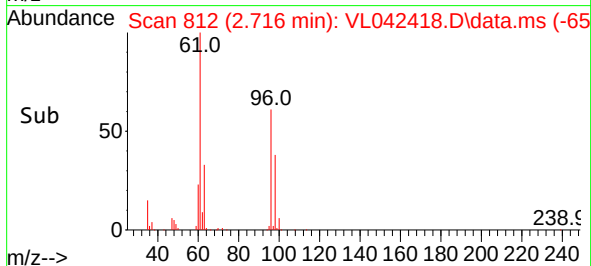
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01



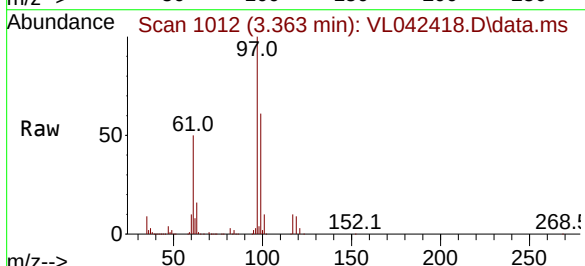
Tgt Ion: 61 Resp: 179960
 Ion Ratio Lower Upper
 61 100
 96 60.5 50.8 76.2
 98 37.9 30.9 46.3

Manual Integrations
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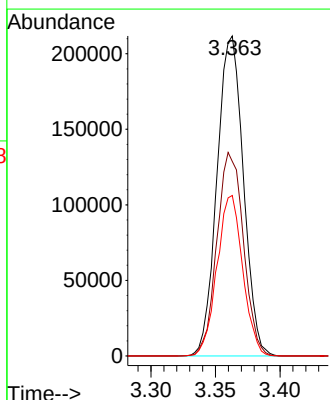
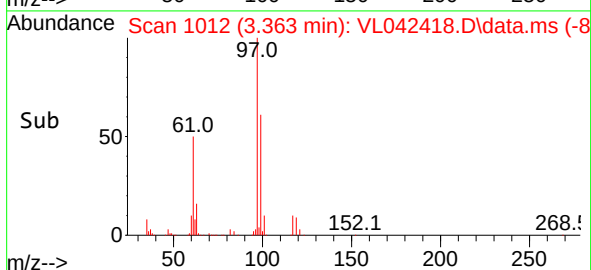
Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/30/2025

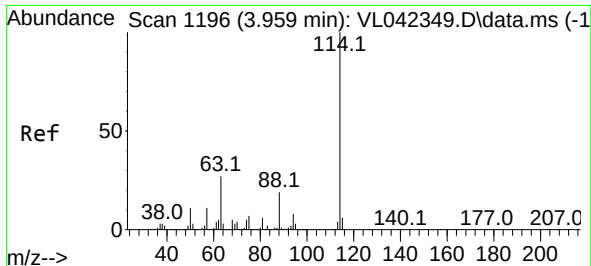


#32
 1,1,1-Trichloroethane
 Concen: 9.469 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10



Tgt Ion: 97 Resp: 301358
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.0 76.4
 61 48.9 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.007 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

Tgt Ion:114 Resp: 33720

Ion Ratio Lower Upper

114 100

63 27.4 21.8 32.6

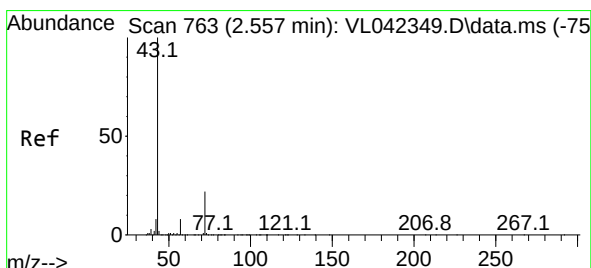
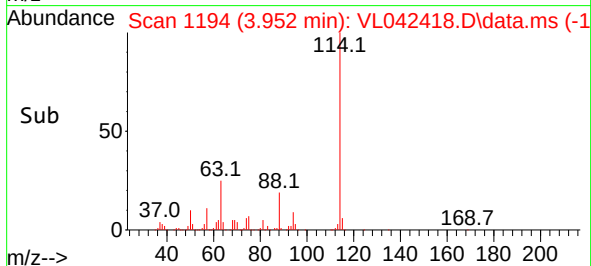
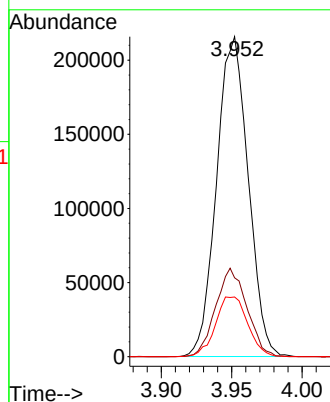
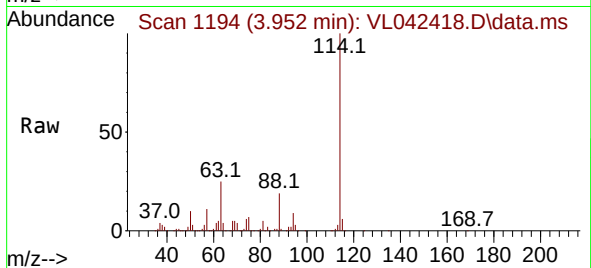
88 19.2 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025



#34

2-Butanone

Concen: 8.628 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.003 min

Lab File: VL042418.D

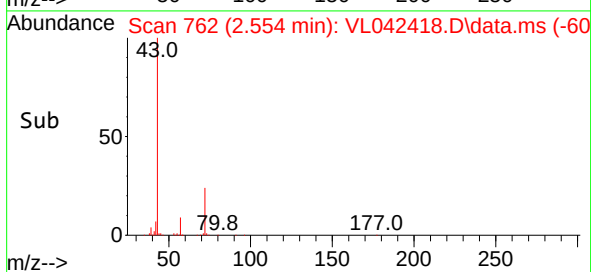
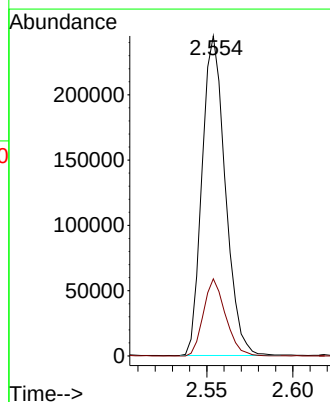
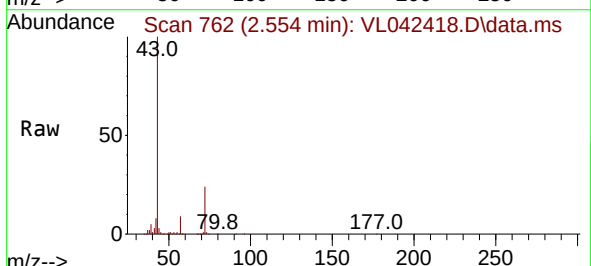
Acq: 28 Apr 2025 10:10

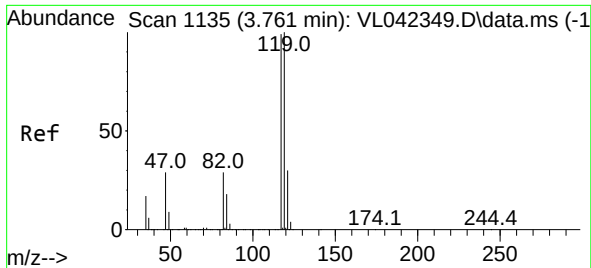
Tgt Ion: 43 Resp: 230104

Ion Ratio Lower Upper

43 100

72 23.0 18.2 27.2





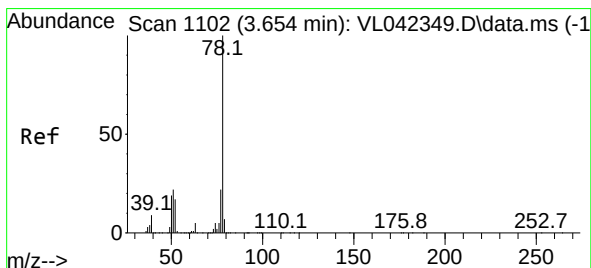
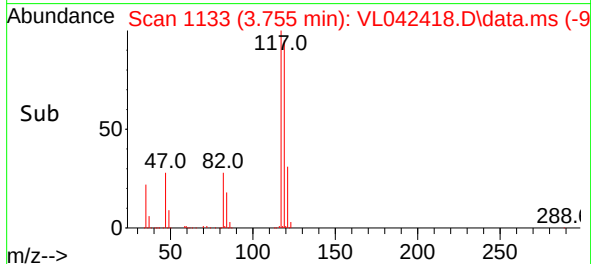
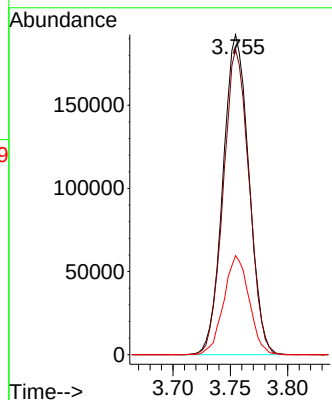
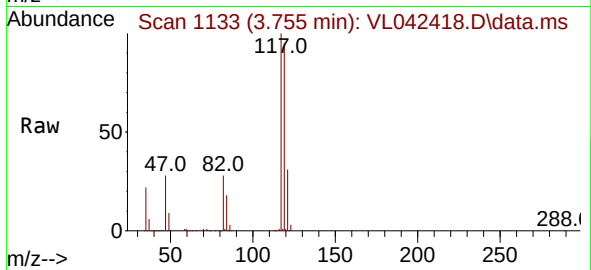
#35
Carbon Tetrachloride
Concen: 9.906 ppbv
RT: 3.755 min Scan# 1135
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument : MSVOA_L
ClientSampleId : VL0428ABS01

Tgt Ion: 117 Resp: 302298
Ion Ratio Lower Upper
117 100
119 95.4 80.5 120.7
121 30.9 24.2 36.2

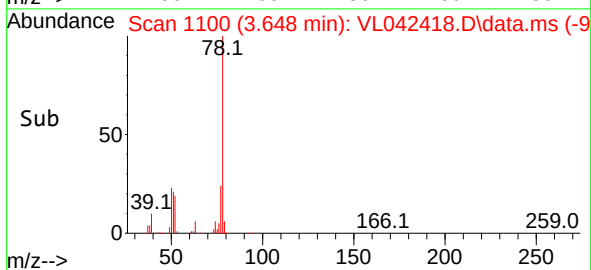
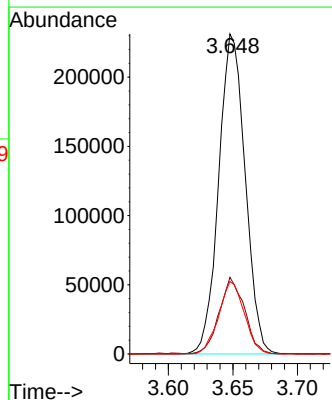
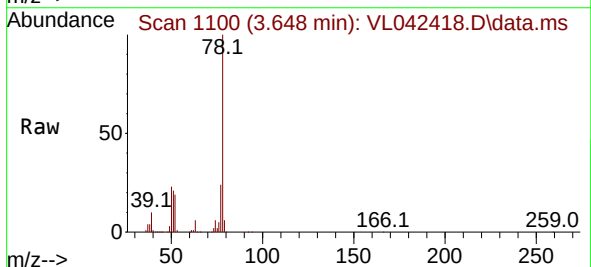
Manual Integrations
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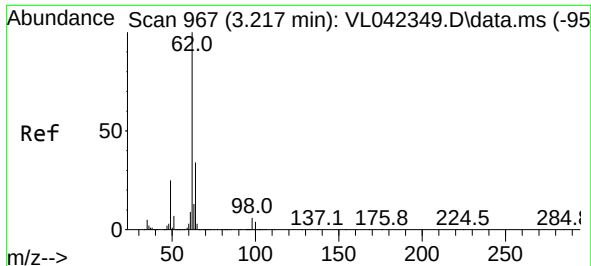
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#36
Benzene
Concen: 9.049 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

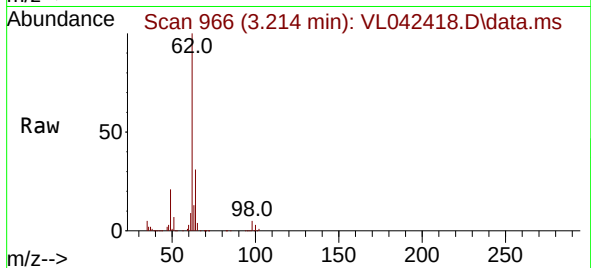
Tgt Ion: 78 Resp: 329117
Ion Ratio Lower Upper
78 100
77 23.8 17.4 26.0
50 22.7 15.5 23.3





#37
1,2-Dichloroethane
Concen: 10.641 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

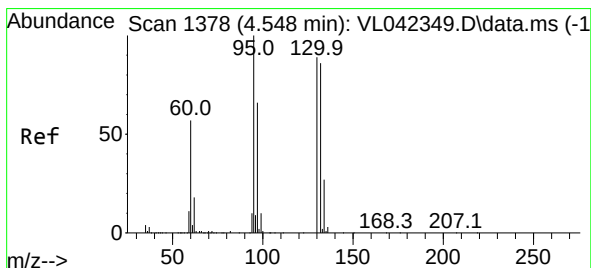
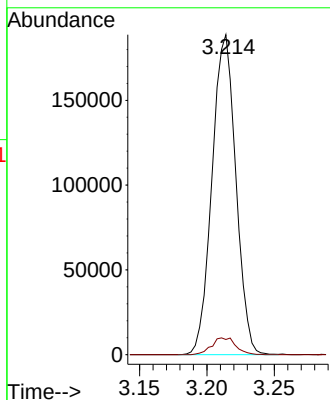
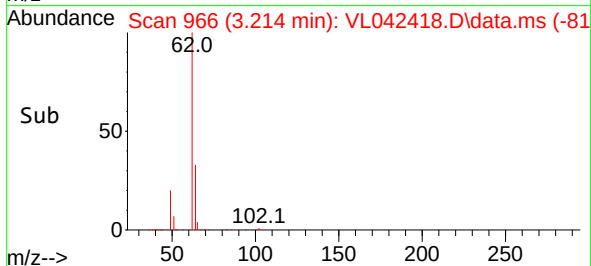
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01



Tgt Ion: 62 Resp: 232279
Ion Ratio Lower Upper
62 100
98 5.4 5.1 7.7

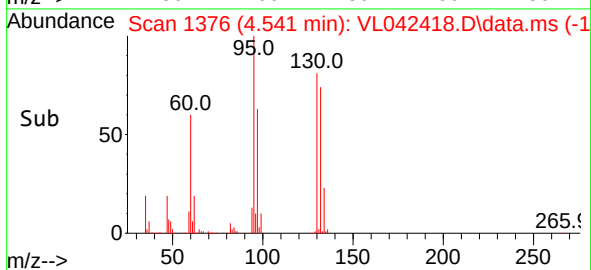
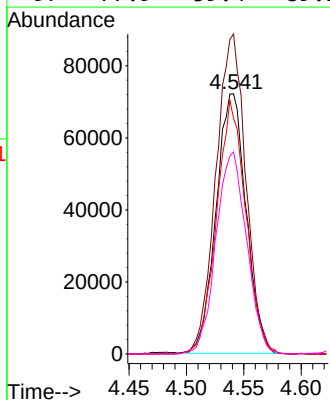
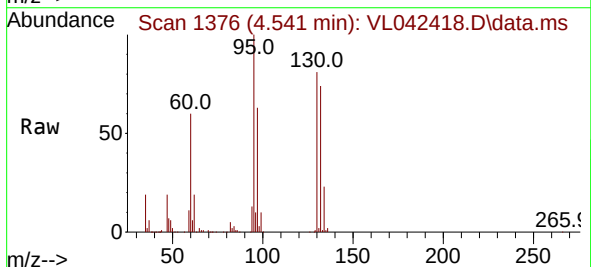
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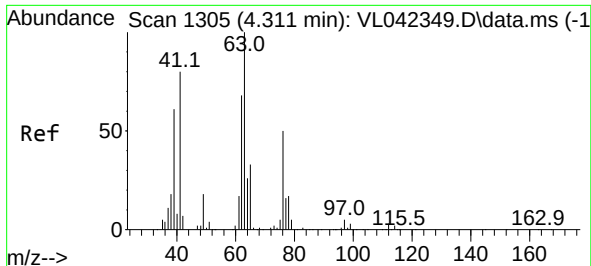
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#38
Trichloroethene
Concen: 8.252 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:130 Resp: 131178
Ion Ratio Lower Upper
130 100
95 123.1 89.8 134.6
132 90.7 77.7 116.5
97 77.9 59.4 89.2





#39

1,2-Dichloropropane

Concen: 8.831 ppbv

RT: 4.308 min Scan# 11969

Delta R.T. -0.003 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

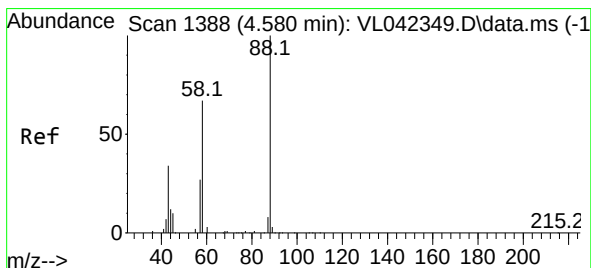
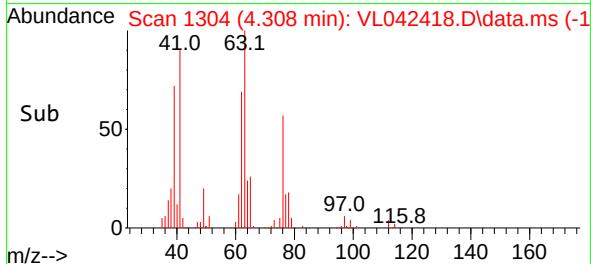
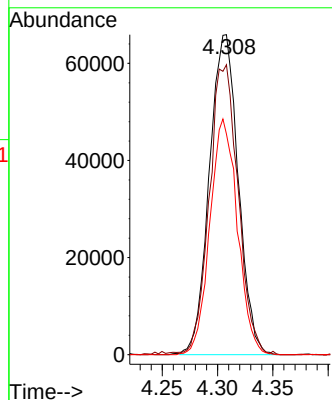
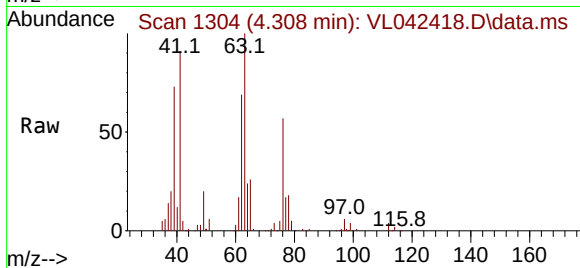
Tgt Ion: 63 Resp: 11969

Ion	Ratio	Lower	Upper
63	100		
41	90.6	64.2	96.2
62	69.0	54.3	81.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#40

1,4-Dioxane

Concen: 8.010 ppbv

RT: 4.577 min Scan# 1387

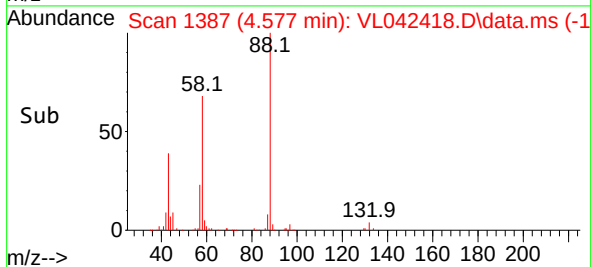
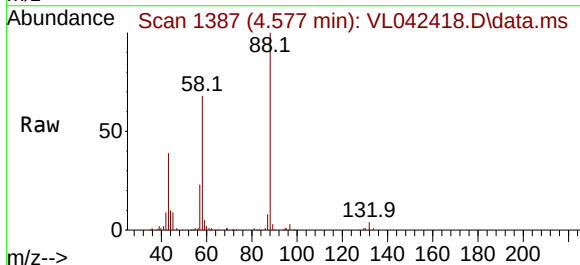
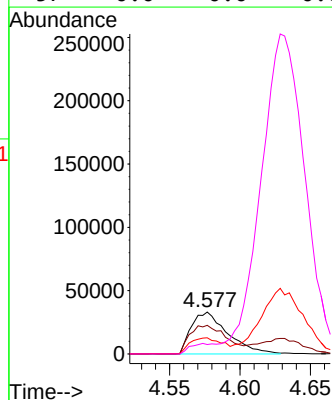
Delta R.T. -0.003 min

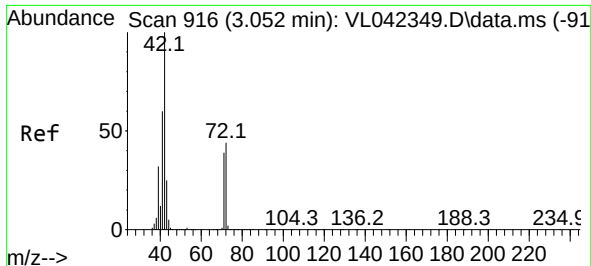
Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Tgt Ion: 88 Resp: 59666

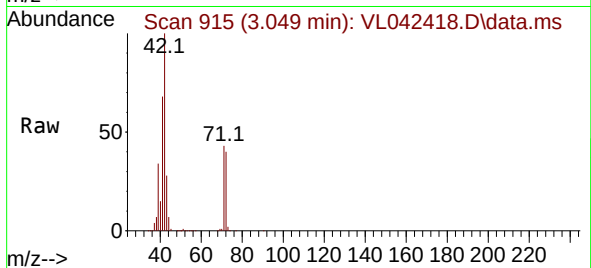
Ion	Ratio	Lower	Upper
88	100		
58	71.2	61.4	92.0
43	37.7	23.2	34.8
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 8.428 ppbv
RT: 3.049 min Scan# 916
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

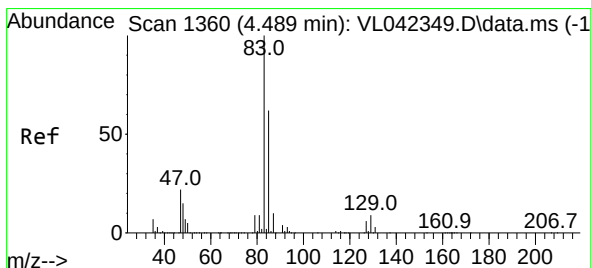
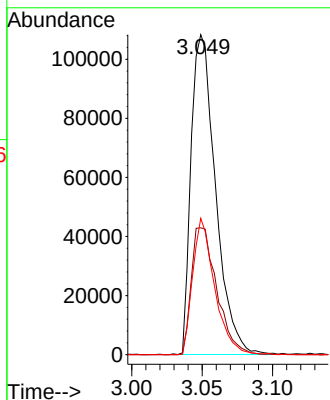
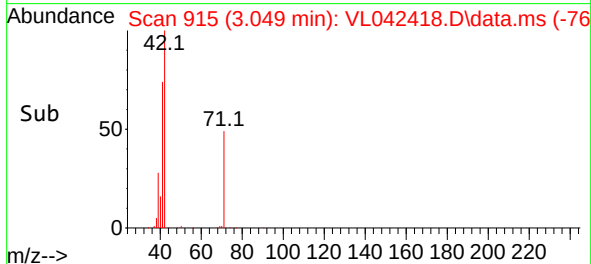
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01



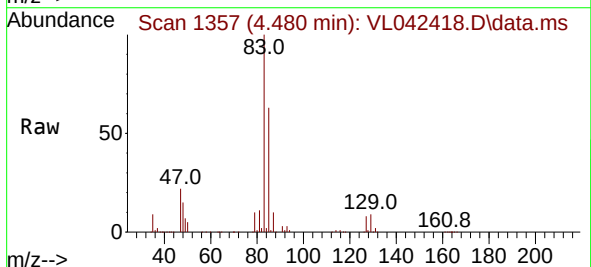
Tgt Ion: 42 Resp: 131040
Ion Ratio Lower Upper
42 100
72 41.4 32.3 48.5
71 38.3 31.4 47.2

Manual Integrations
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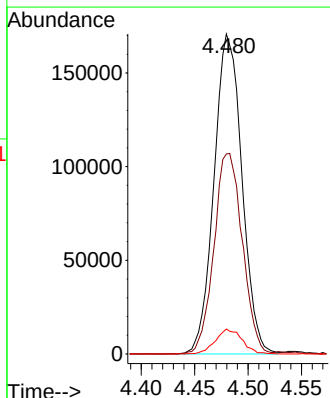
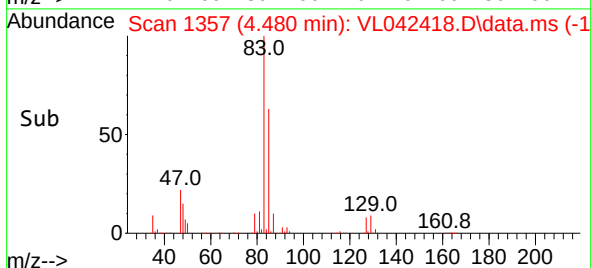
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

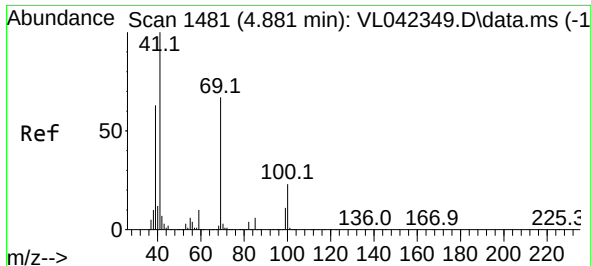


#42
Bromodichloromethane
Concen: 10.222 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10



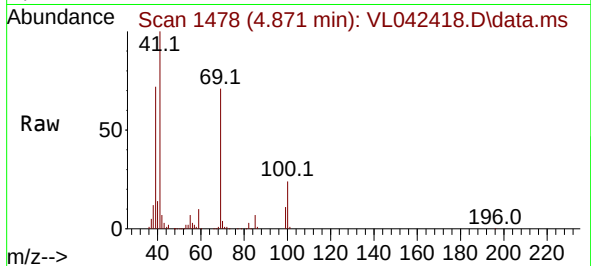
Tgt Ion: 83 Resp: 310553
Ion Ratio Lower Upper
83 100
85 62.5 49.7 74.5
127 7.8 5.1 7.7#





#43
Methyl Methacrylate
Concen: 8.312 ppbv
RT: 4.871 min Scan# 1481
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

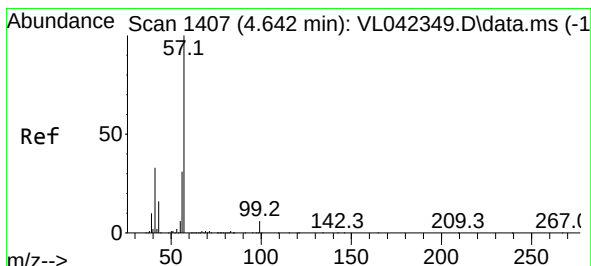
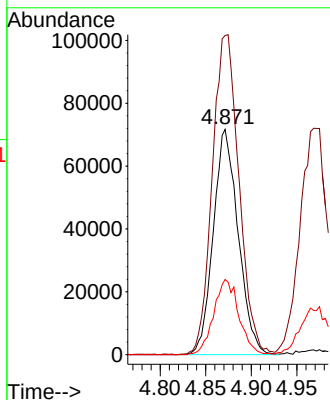
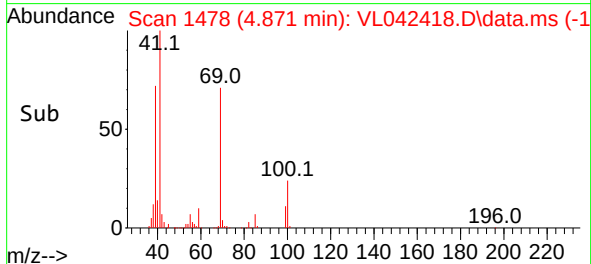
Instrument : MSVOA_L
ClientSampleId : VL0428ABS01



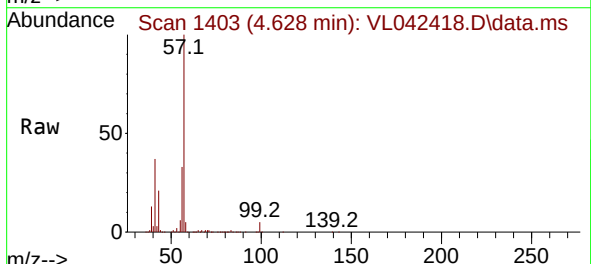
Tgt Ion: 69 Resp: 136249
Ion Ratio Lower Upper
69 100
41 151.8 118.6 177.8
100 33.8 28.2 42.2

Manual Integrations
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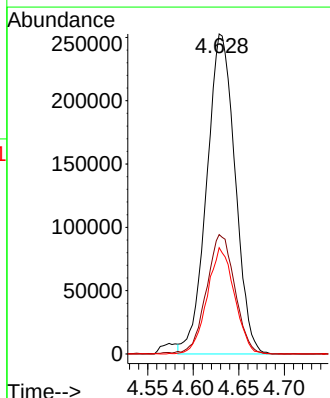
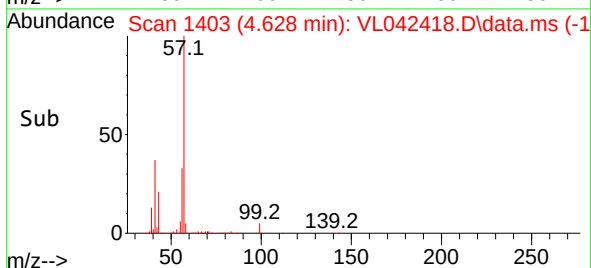
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

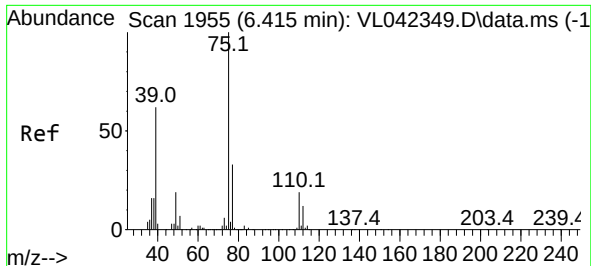


#44
2,2,4-Trimethylpentane
Concen: 8.707 ppbv
RT: 4.628 min Scan# 1403
Delta R.T. -0.013 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10



Tgt Ion: 57 Resp: 546967
Ion Ratio Lower Upper
57 100
41 37.6 27.2 40.8
56 31.9 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 9.133 ppbv

RT: 6.402 min Scan# 1951

Delta R.T. -0.013 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

Tgt Ion: 75 Resp: 152930

Ion Ratio Lower Upper

75 100

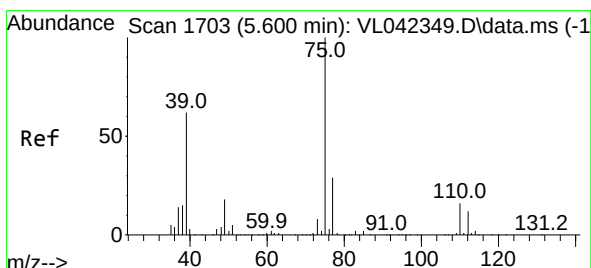
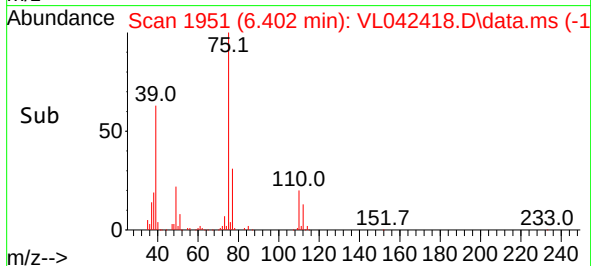
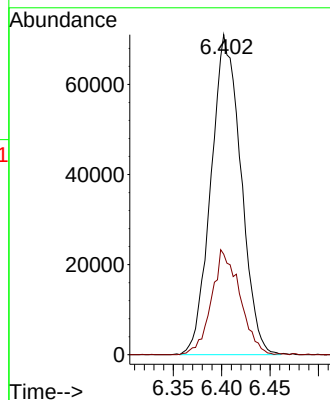
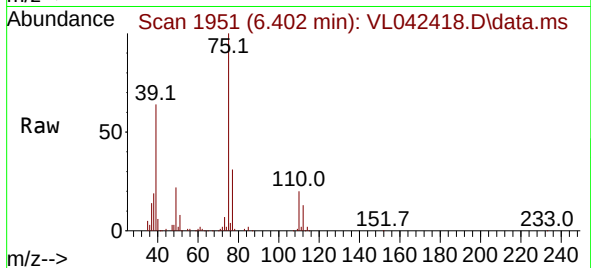
77 31.4 27.0 40.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025



#46

cis-1,3-Dichloropropene

Concen: 9.055 ppbv

RT: 5.587 min Scan# 1699

Delta R.T. -0.013 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

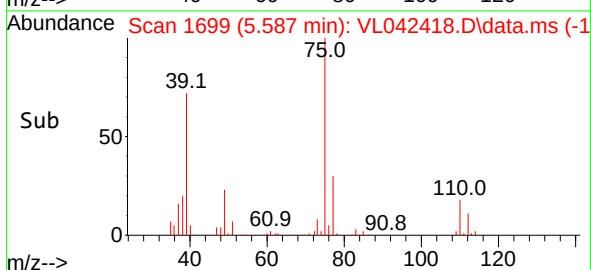
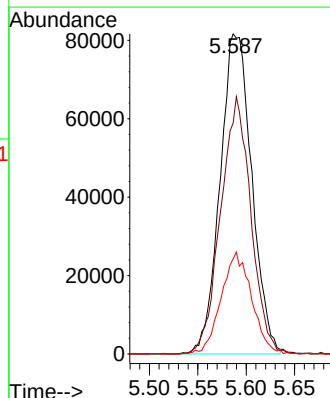
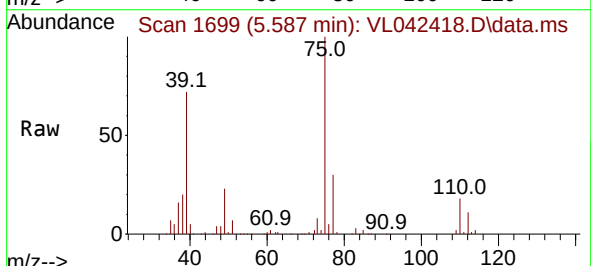
Tgt Ion: 75 Resp: 185557

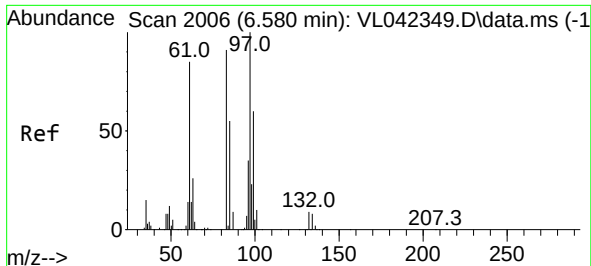
Ion Ratio Lower Upper

75 100

39 72.0 50.0 75.0

77 29.7 23.0 34.6





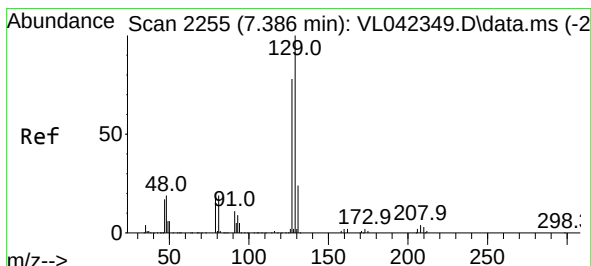
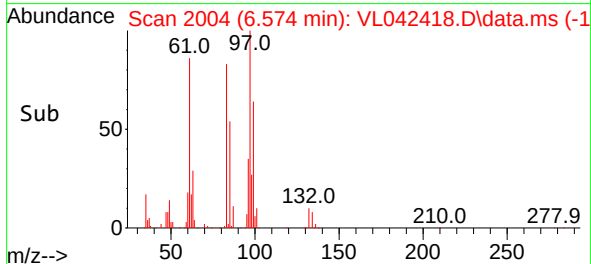
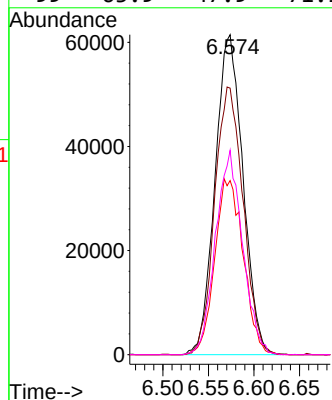
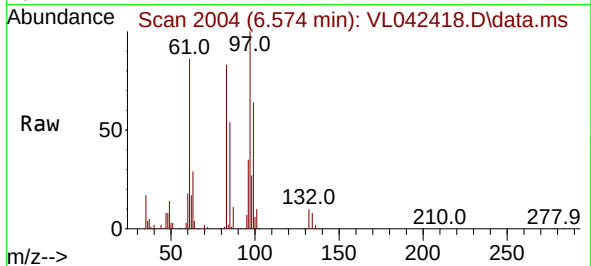
#47
1,1,2-Trichloroethane
Concen: 9.474 ppbv
RT: 6.574 min Scan# 2004
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 97 Resp: 13082
Ion Ratio Lower Upper
97 100
83 83.3 72.8 109.2
85 54.4 44.2 66.4
99 63.9 47.9 71.9

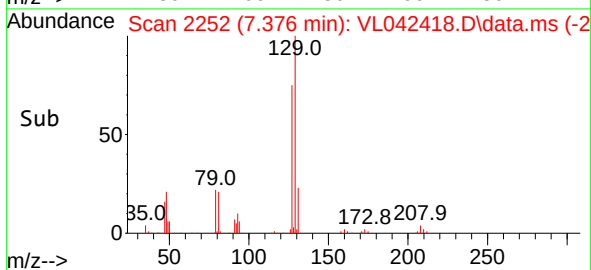
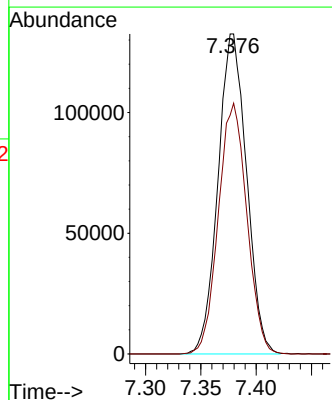
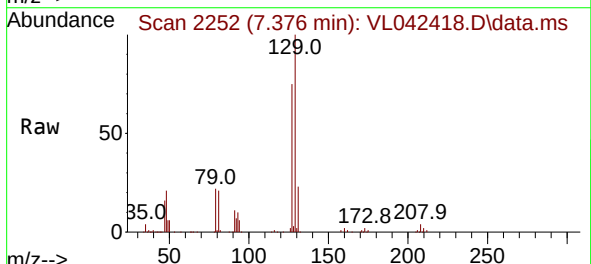
Manual Integrations
APPROVED

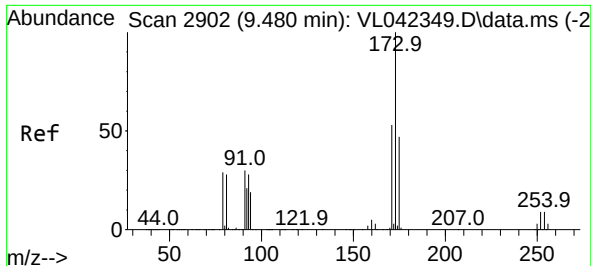
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#48
Dibromochloromethane
Concen: 9.753 ppbv
RT: 7.376 min Scan# 2252
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

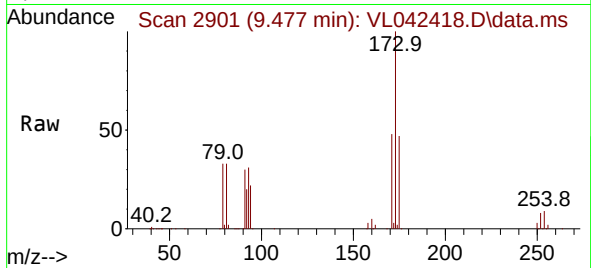
Tgt Ion:129 Resp: 237927
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.3





#49
Bromoform
Concen: 9.229 ppbv
RT: 9.477 min Scan# 2902
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

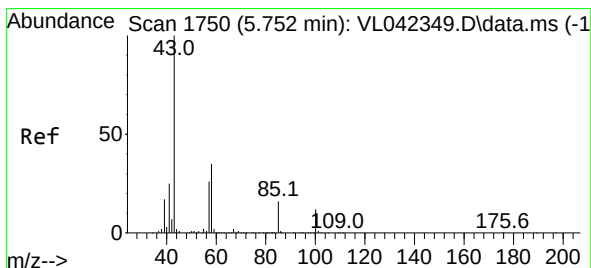
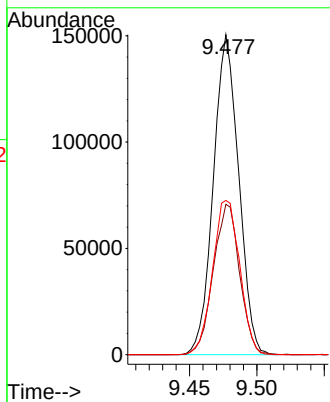
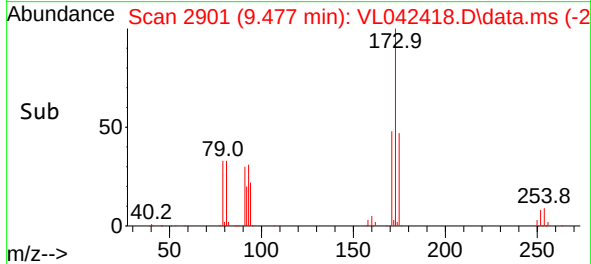
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01



Tgt Ion:173 Resp: 196872
Ion Ratio Lower Upper
173 100
175 48.8 38.2 57.2
171 51.7 40.9 61.3

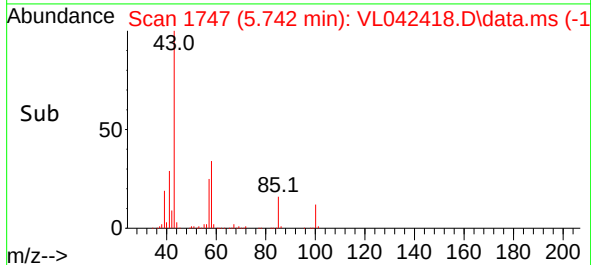
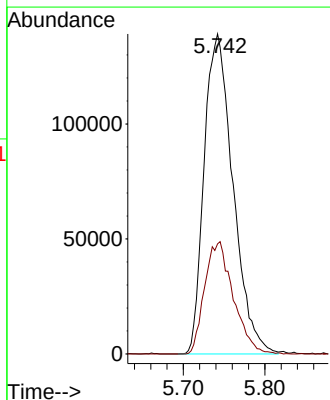
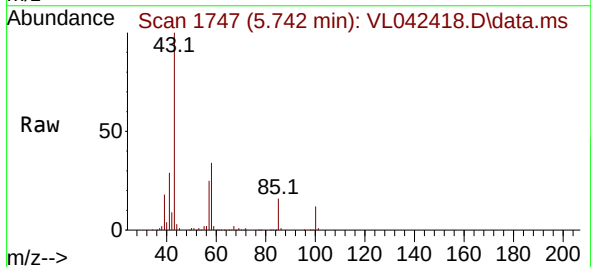
Manual Integrations
APPROVED

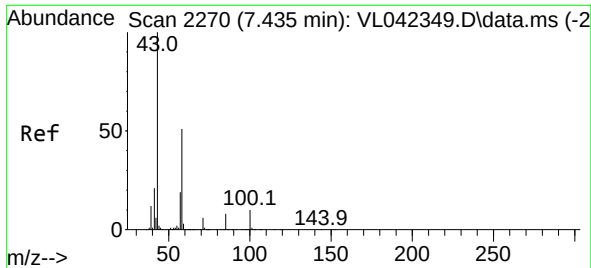
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#50
4-Methyl-2-Pentanone
Concen: 7.726 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

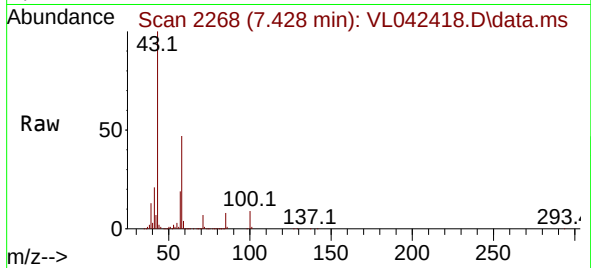
Tgt Ion: 43 Resp: 342379
Ion Ratio Lower Upper
43 100
58 34.9 28.6 43.0





#51
2-Hexanone
Concen: 7.060 ppbv
RT: 7.428 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

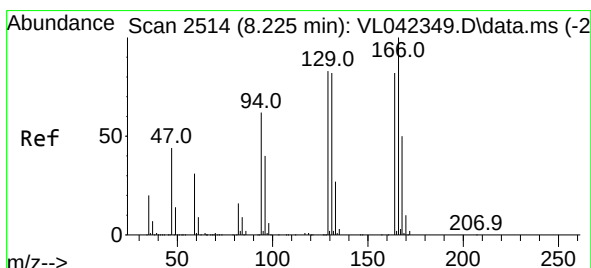
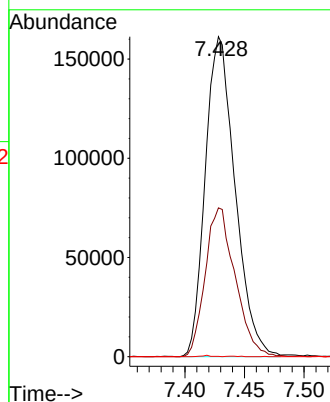
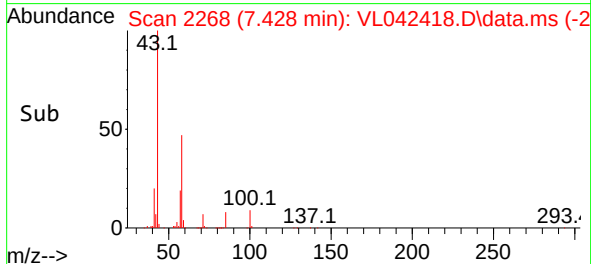
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01



Tgt Ion: 43 Resp: 280580
Ion Ratio Lower Upper
43 100
58 46.8 40.2 60.4
98 0.2 0.1 0.1

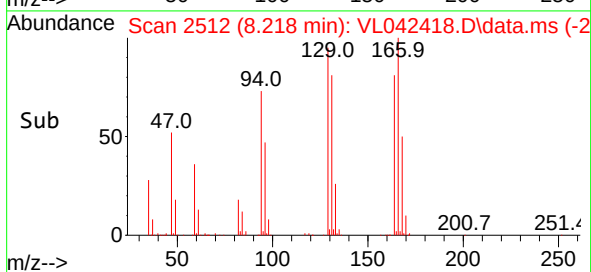
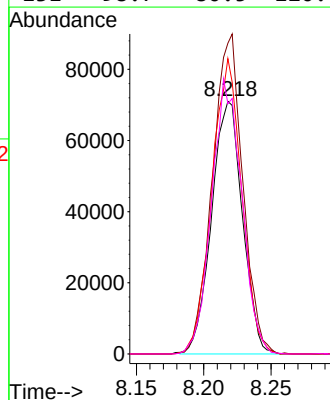
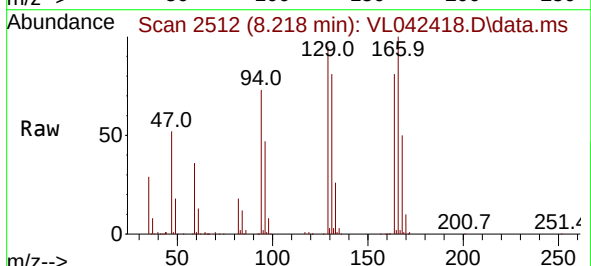
Manual Integrations
APPROVED

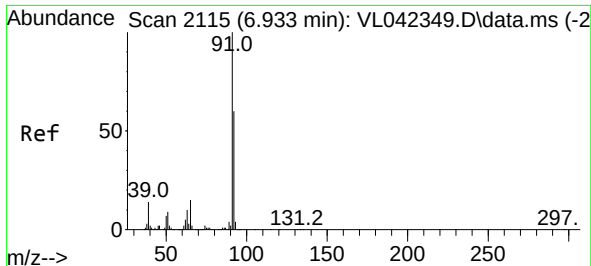
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#52
Tetrachloroethene
Concen: 8.058 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:164 Resp: 113273
Ion Ratio Lower Upper
164 100
166 122.8 98.2 147.2
129 116.9 81.8 122.8
131 98.7 80.5 120.7





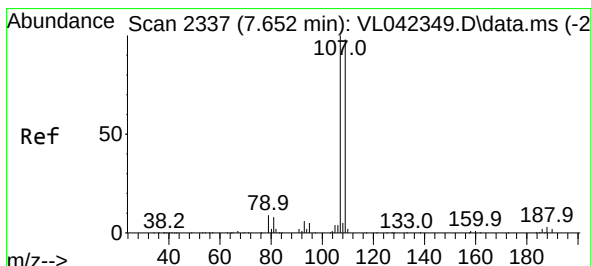
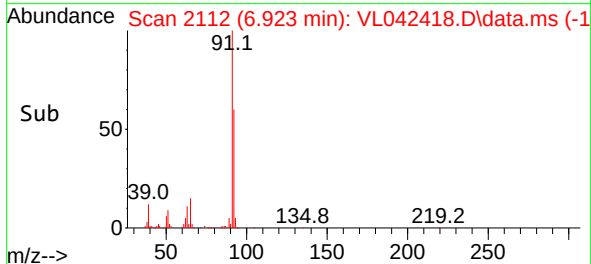
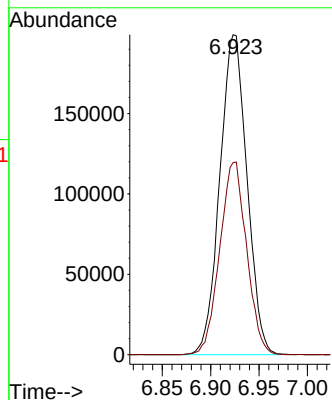
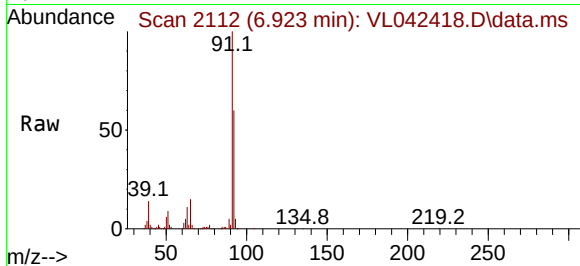
#53
Toluene
Concen: 8.904 ppbv
RT: 6.923 min Scan# 2115
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 91 Resp: 388620
Ion Ratio Lower Upper
91 100
92 59.6 48.2 72.4

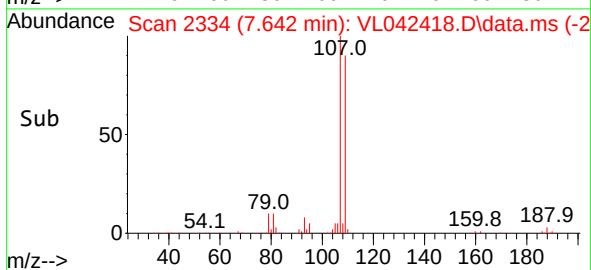
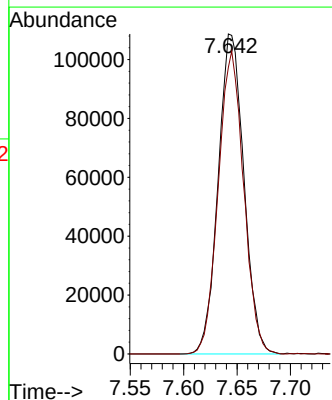
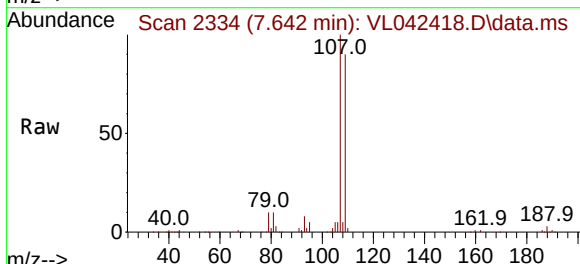
Manual Integrations
APPROVED

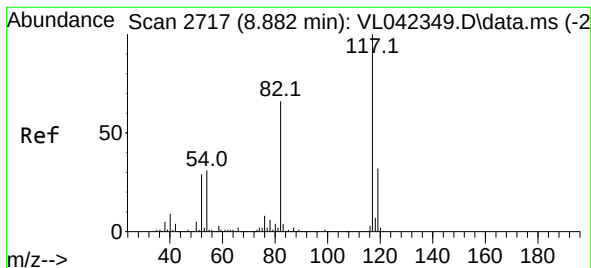
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#54
1,2-Dibromoethane
Concen: 9.191 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:107 Resp: 181632
Ion Ratio Lower Upper
107 100
109 89.6 78.2 117.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 2715

Delta R.T. -0.007 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

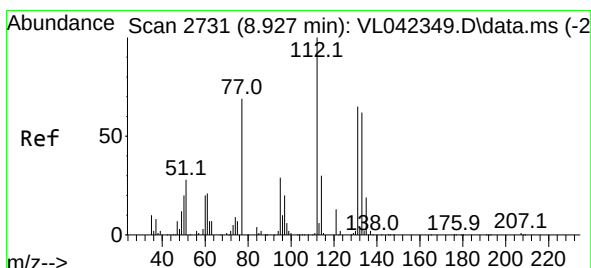
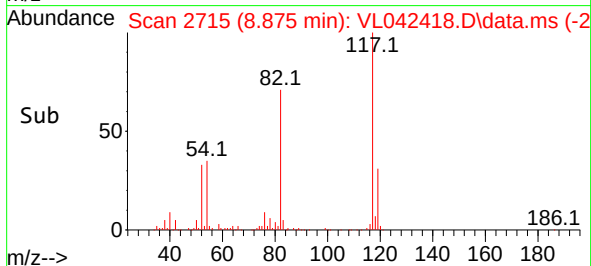
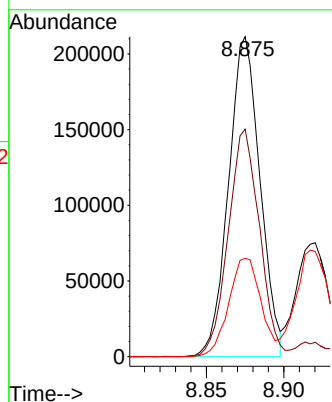
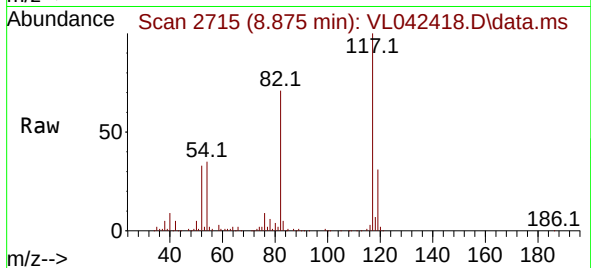
VL0428ABS01

Tgt Ion:	117	Resp:	299130
Ion	Ratio	Lower	Upper
117	100		
82	75.2	57.8	86.6
119	33.3	25.2	37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 9.949 ppbv

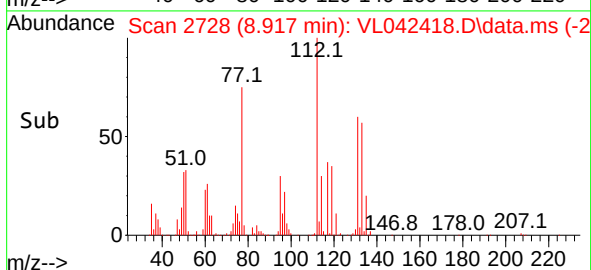
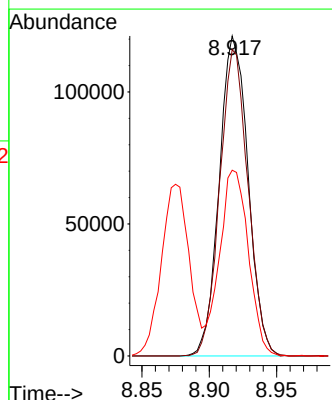
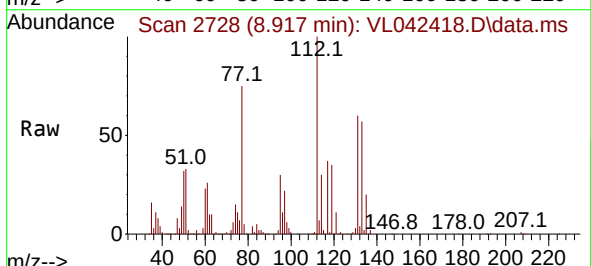
RT: 8.917 min Scan# 2728

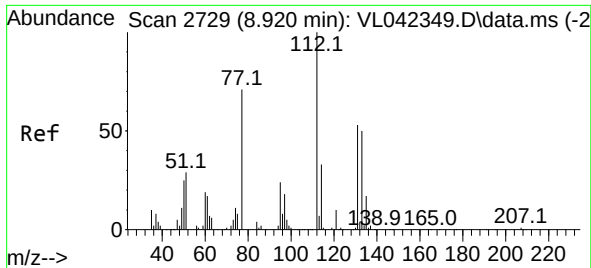
Delta R.T. -0.010 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Tgt Ion:	131	Resp:	180122
Ion	Ratio	Lower	Upper
131	100		
133	94.3	78.3	117.5
119	57.4	48.7	73.1





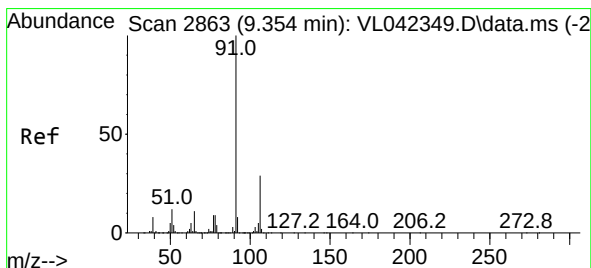
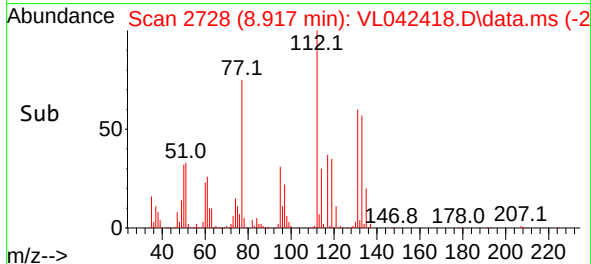
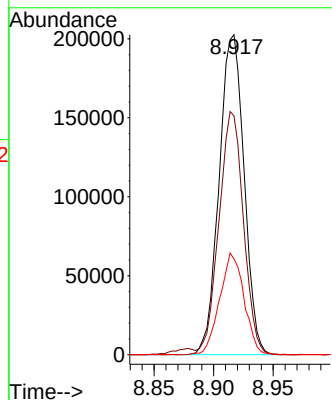
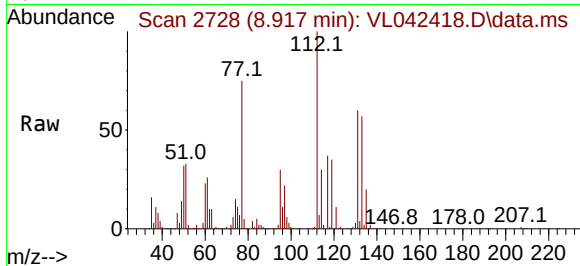
#57
Chlorobenzene
Concen: 9.480 ppbv
RT: 8.917 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion:112 Resp: 29492
Ion Ratio Lower Upper
112 100
77 74.6 57.8 86.6
114 29.9 29.3 35.9

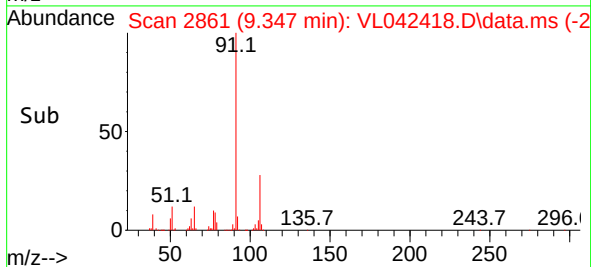
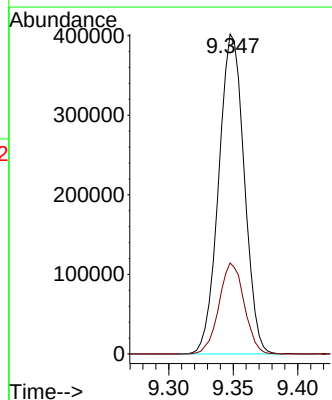
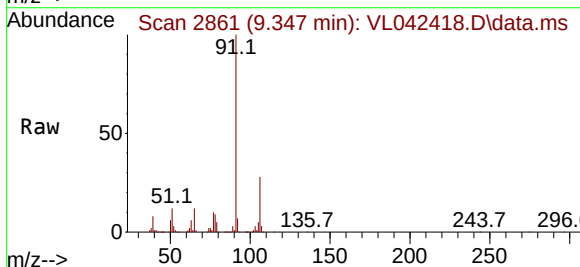
Manual Integrations
APPROVED

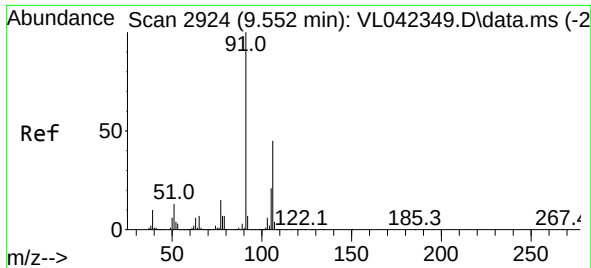
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#58
Ethyl Benzene
Concen: 9.321 ppbv
RT: 9.347 min Scan# 2861
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 91 Resp: 552423
Ion Ratio Lower Upper
91 100
106 28.5 23.0 34.4





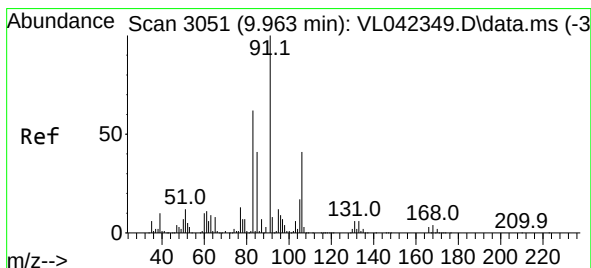
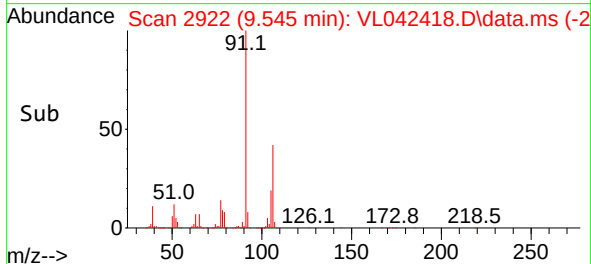
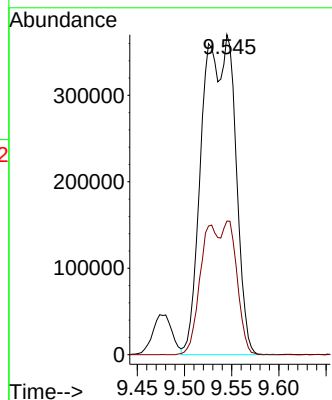
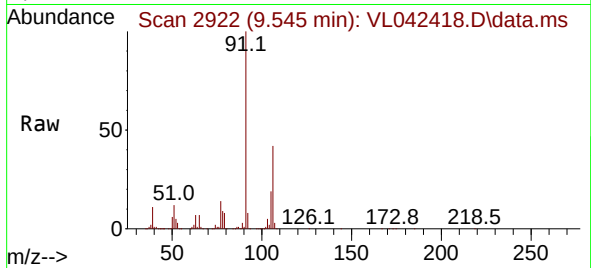
#59
m/p-Xylene
Concen: 19.000 ppbv m
RT: 9.545 min Scan# 29
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 91 Resp: 90715
Ion Ratio Lower Upper
91 100
106 42.6 35.4 53.2

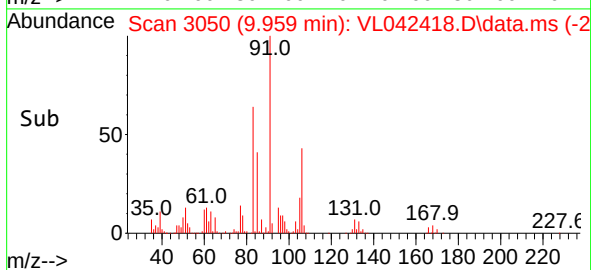
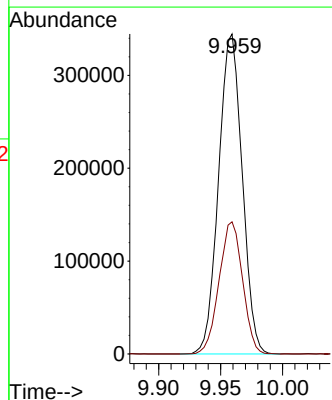
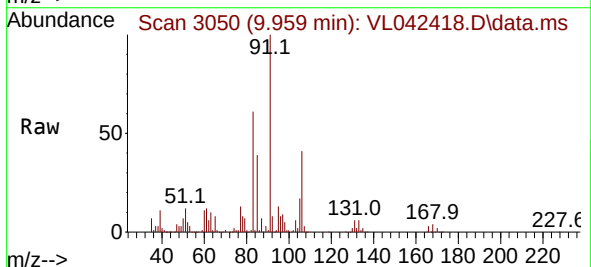
Manual Integrations
APPROVED

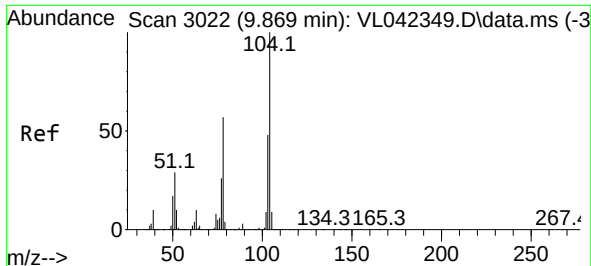
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#60
o-Xylene
Concen: 9.515 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 91 Resp: 457491
Ion Ratio Lower Upper
91 100
106 41.1 21.1 63.4





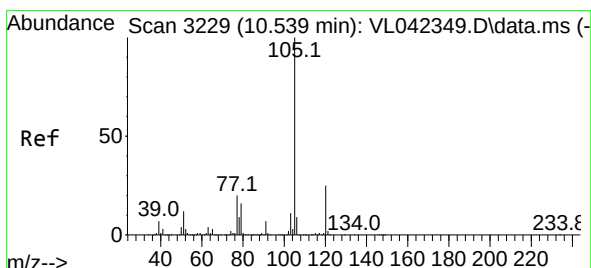
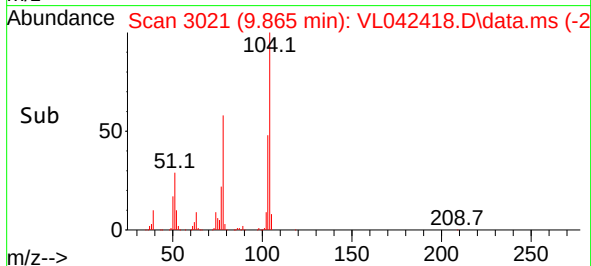
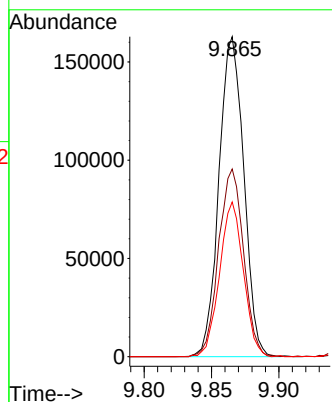
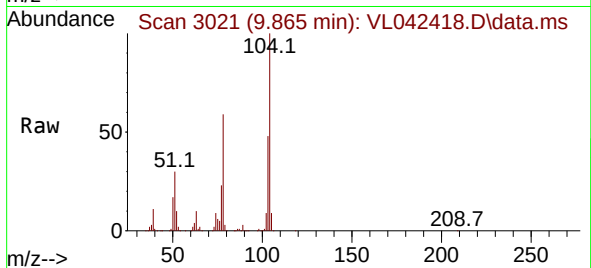
#61
Styrene
Concen: 9.086 ppbv
RT: 9.865 min Scan# 3022
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion:104 Resp: 20851
Ion Ratio Lower Upper
104 100
78 59.1 44.6 66.8
103 46.5 37.4 56.0

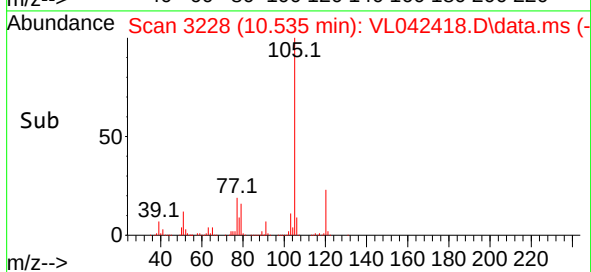
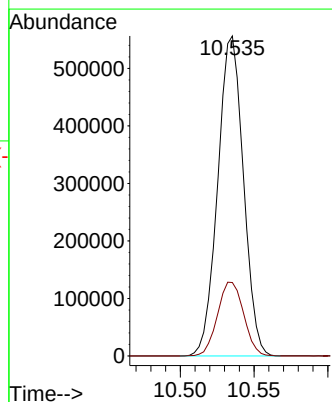
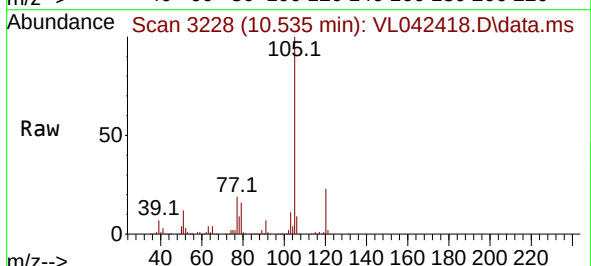
Manual Integrations
APPROVED

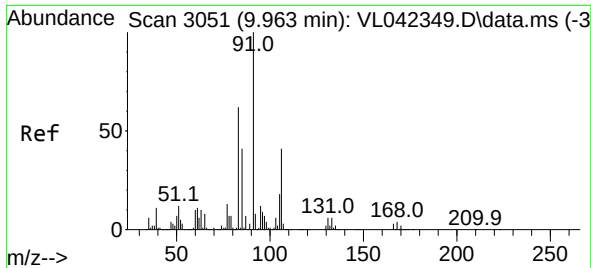
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#62
Isopropylbenzene
Concen: 9.546 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:105 Resp: 673842
Ion Ratio Lower Upper
105 100
120 23.5 19.8 29.8





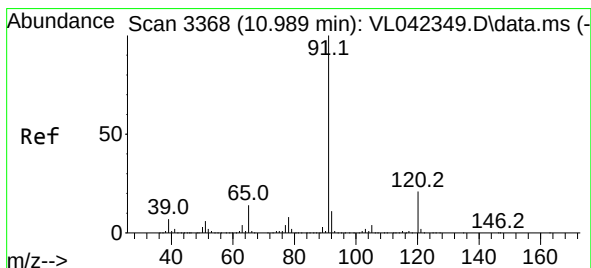
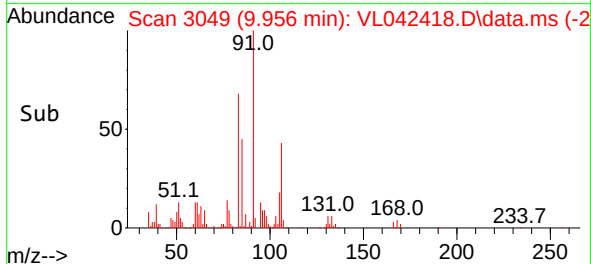
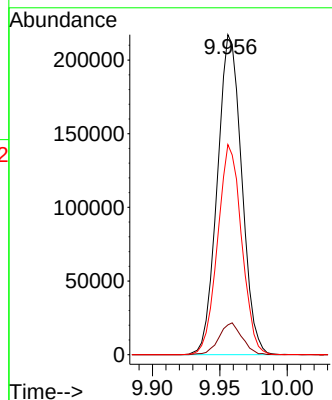
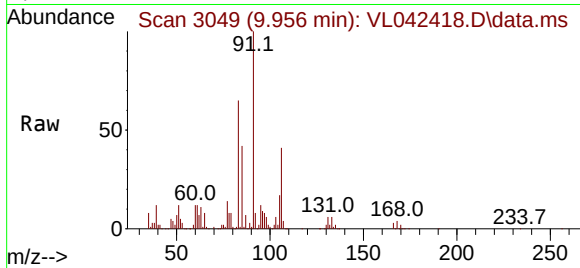
#63
1,1,2,2-Tetrachloroethane
Concen: 8.783 ppbv
RT: 9.956 min Scan# 3051
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument : MSVOA_L
ClientSampleId : VL0428ABS01

Tgt Ion: 83 Resp: 27364
Ion Ratio Lower Upper
83 100
131 9.4 4.5 13.7
85 64.8 32.4 97.0

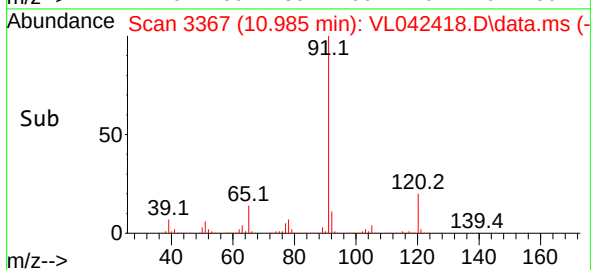
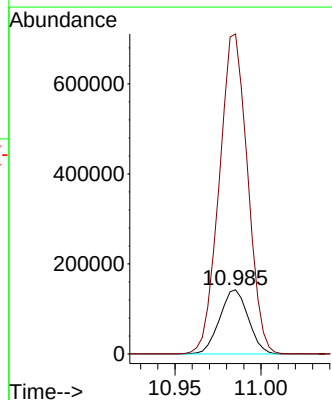
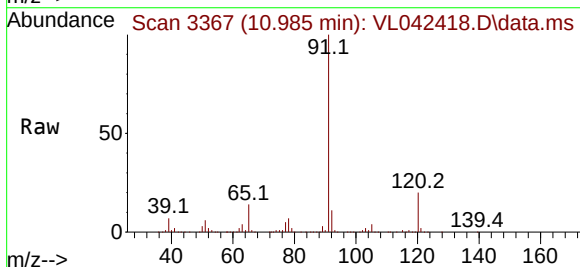
Manual Integrations
APPROVED

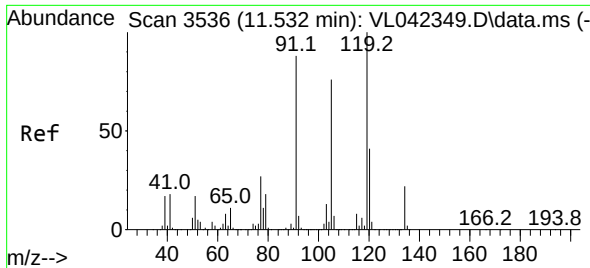
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#64
n-propylbenzene
Concen: 9.271 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

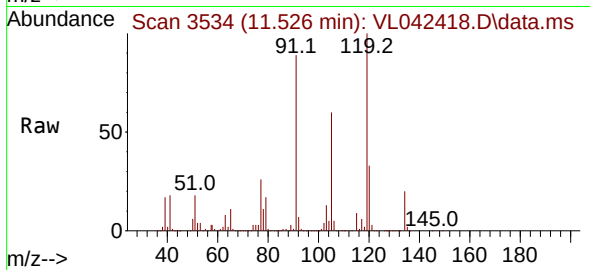
Tgt Ion:120 Resp: 164482
Ion Ratio Lower Upper
120 100
91 497.0 392.4 588.6





#65
tert-Butylbenzene
Concen: 9.441 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

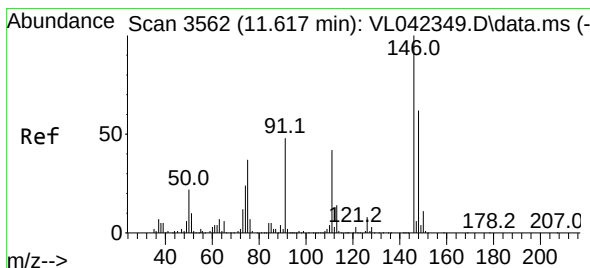
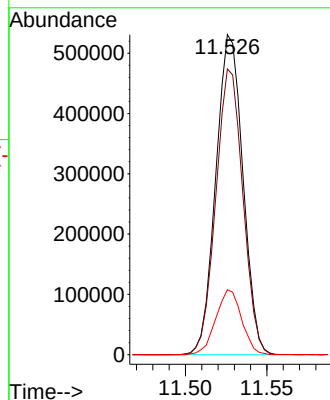
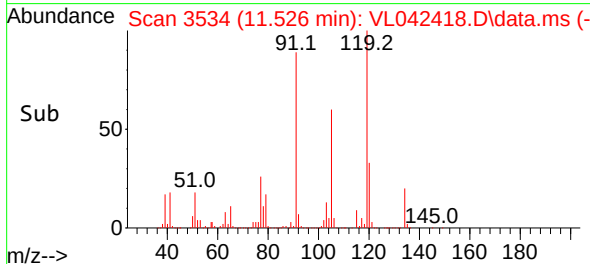
Instrument : MSVOA_L
ClientSampleId : VL0428ABS01



Tgt Ion: 119 Resp: 612519
Ion Ratio Lower Upper
119 100
91 89.2 74.6 111.8
134 19.3 18.8 28.2

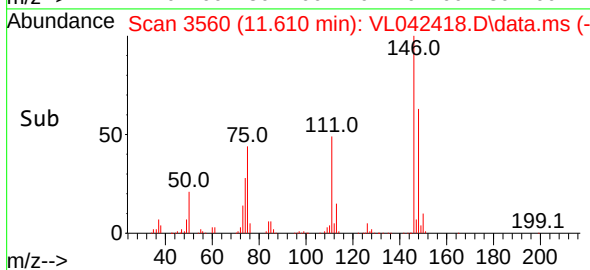
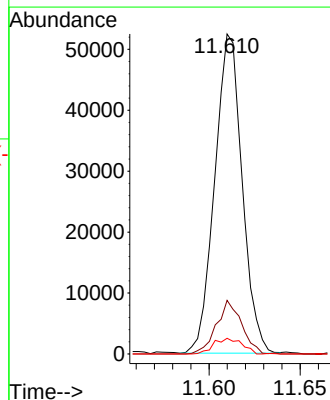
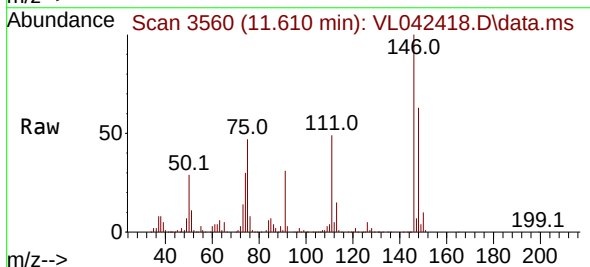
Manual Integrations
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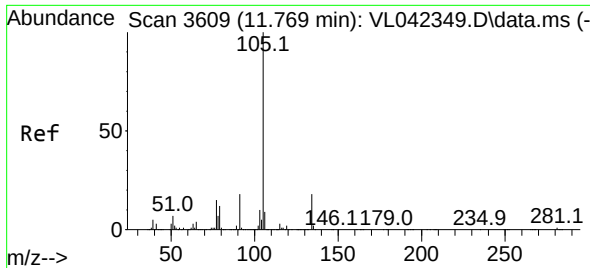
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#66
Benzyl Chloride
Concen: 7.684 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

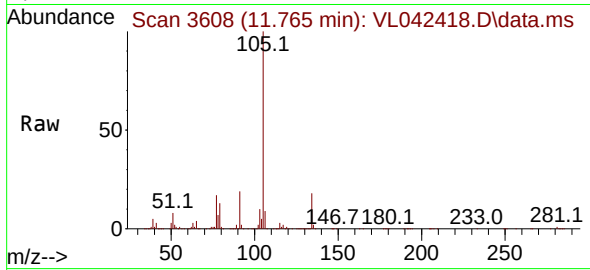
Tgt Ion: 91 Resp: 54781
Ion Ratio Lower Upper
91 100
126 15.5 11.8 17.6
128 5.1 4.5 6.7





#67
 sec-Butylbenzene
 Concen: 9.380 ppbv
 RT: 11.765 min Scan# 3177
 Delta R.T. -0.003 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10

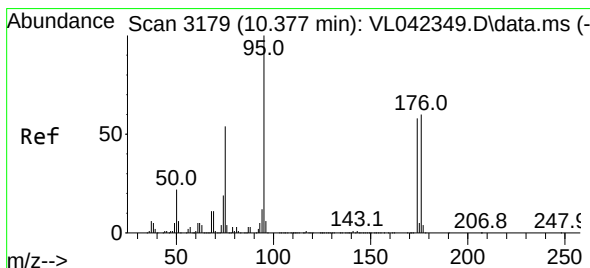
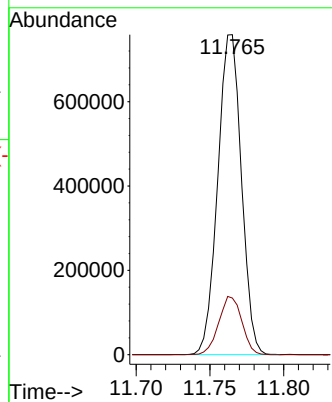
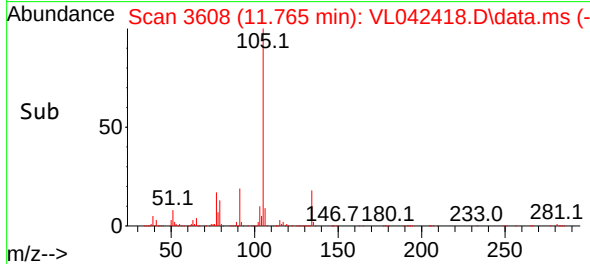
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01



Tgt Ion:105 Resp: 84645
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.6 21.8

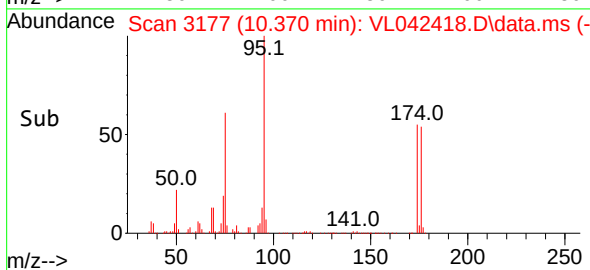
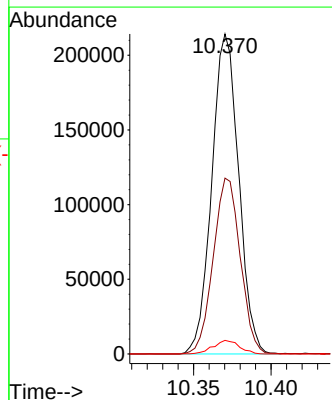
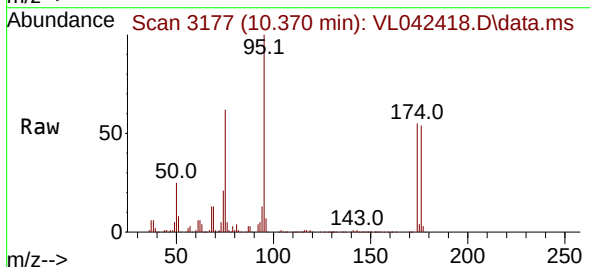
Manual Integrations
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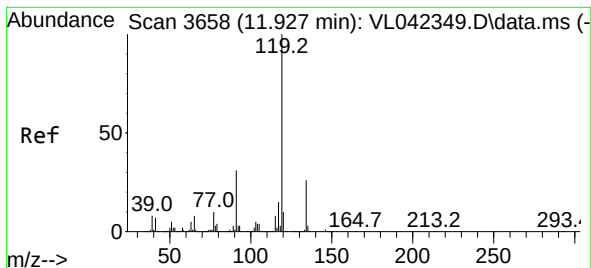
Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.521 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.007 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10

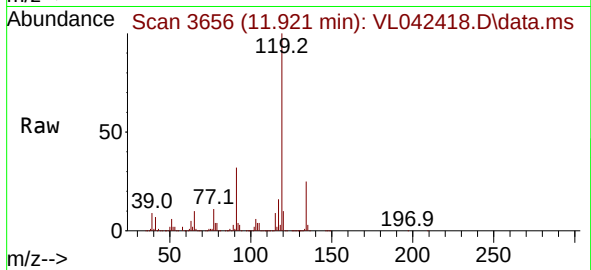
Tgt Ion: 95 Resp: 258626
 Ion Ratio Lower Upper
 95 100
 174 55.3 48.5 72.7
 175 4.1 3.7 5.5





#69
p-Isopropyltoluene
Concen: 9.221 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

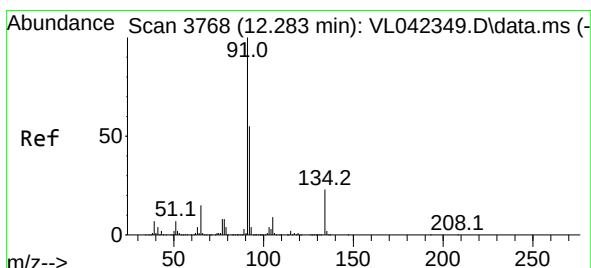
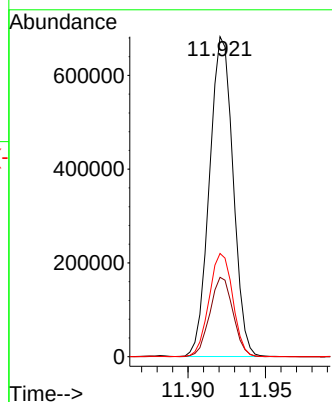
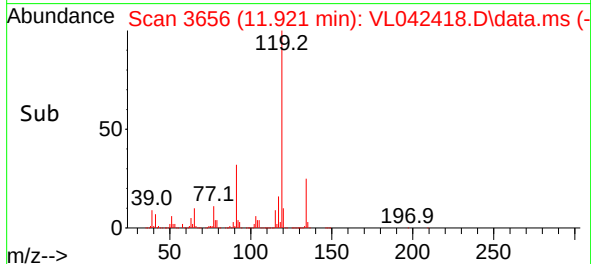
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01



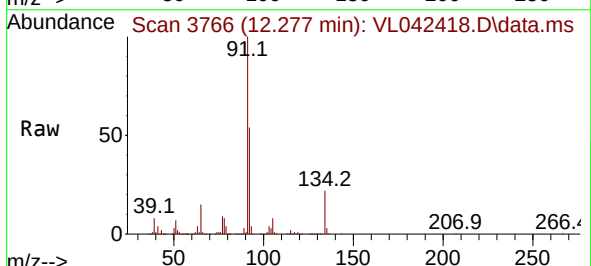
Tgt Ion:119 Resp: 722909
Ion Ratio Lower Upper
119 100
134 24.4 20.0 30.0
91 32.5 24.4 36.6

Manual Integrations
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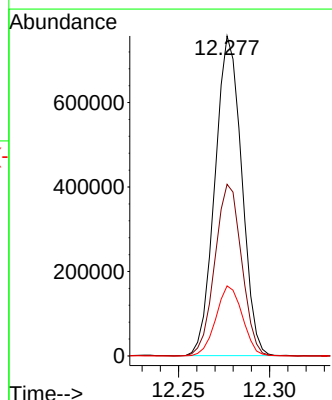
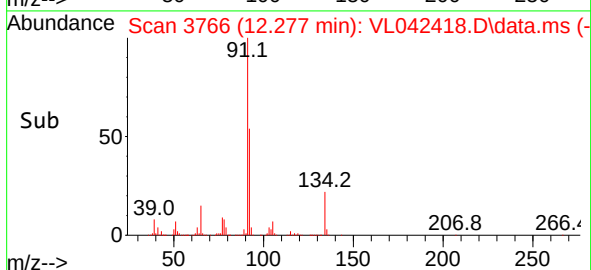
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

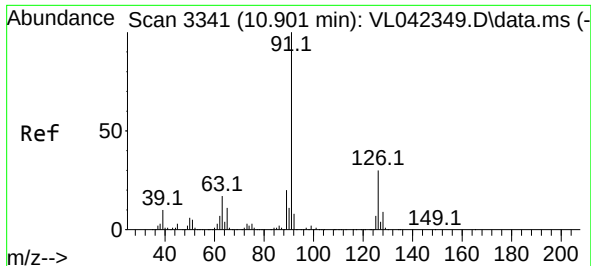


#70
n-Butylbenzene
Concen: 9.452 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10



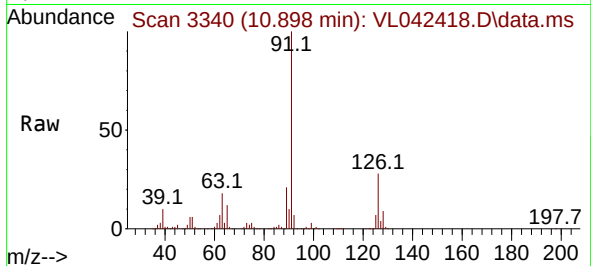
Tgt Ion: 91 Resp: 771835
Ion Ratio Lower Upper
91 100
92 54.2 44.2 66.4
134 21.8 18.2 27.4





#71
2-Chlorotoluene
Concen: 9.623 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

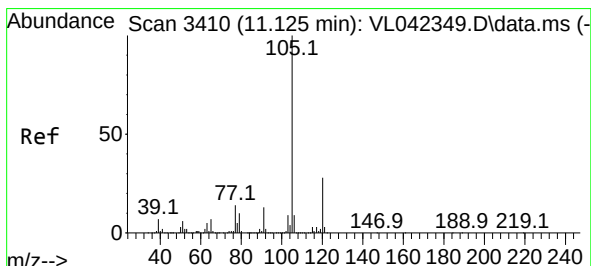
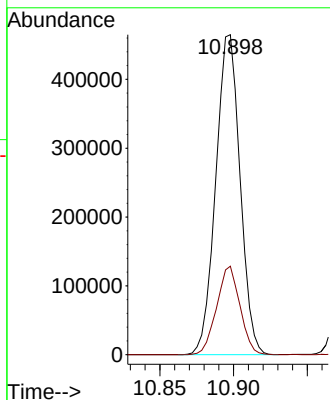
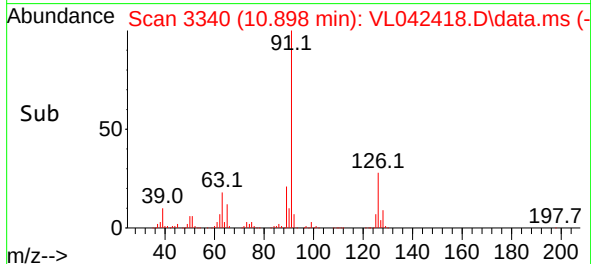
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01



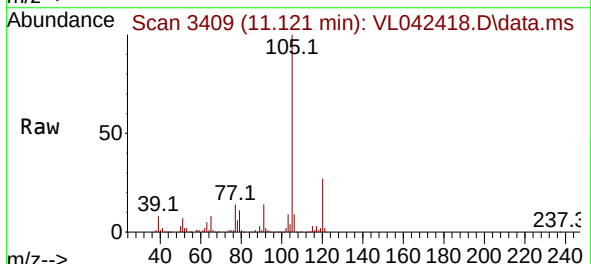
Tgt Ion: 91 Resp: 53275
Ion Ratio Lower Upper
91 100
126 26.5 11.4 45.4

Manual Integrations
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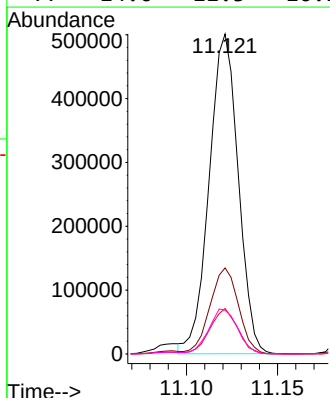
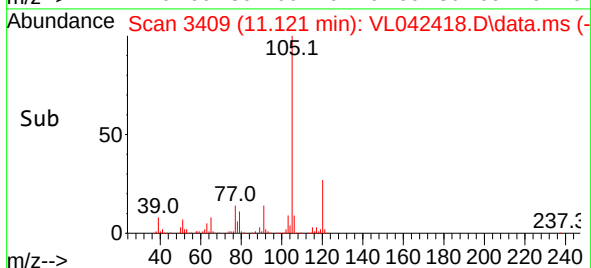
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

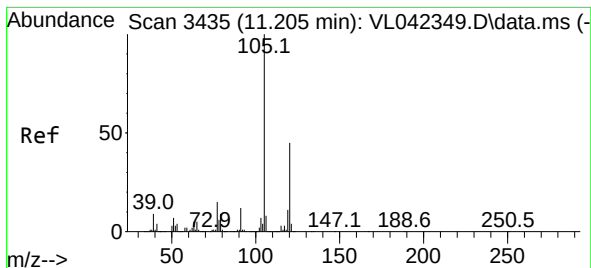


#72
4-Ethyltoluene
Concen: 9.438 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10



Tgt Ion:105 Resp: 554770
Ion Ratio Lower Upper
105 100
120 27.4 23.2 34.8
91 14.2 10.4 15.6
77 14.6 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 9.283 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.007 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

Tgt Ion:105 Resp: 48169

Ion Ratio Lower Upper

105 100

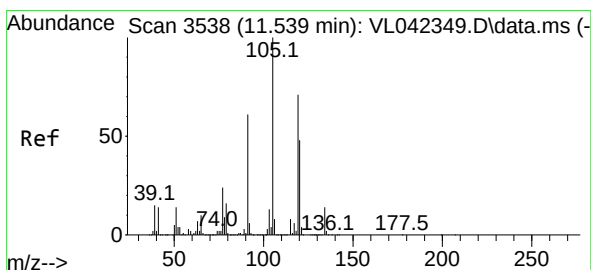
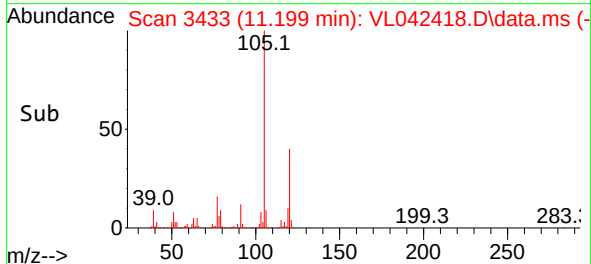
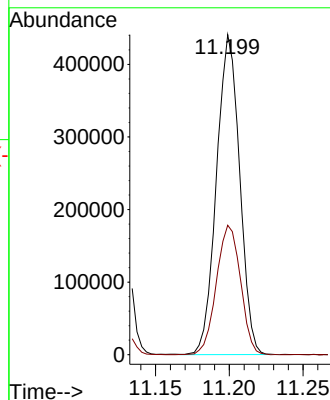
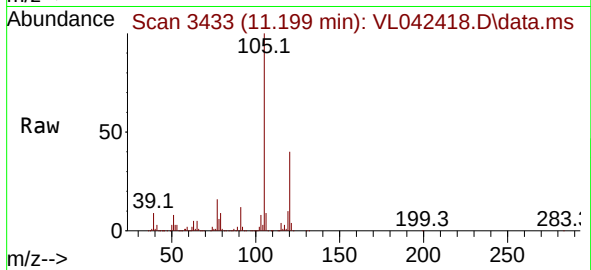
120 40.5 35.6 53.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025



#74

1,2,4-Trimethylbenzene

Concen: 8.869 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.007 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Tgt Ion:105 Resp: 537510

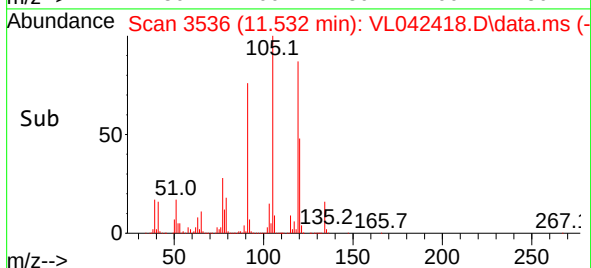
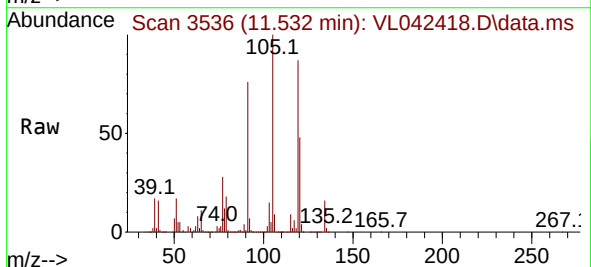
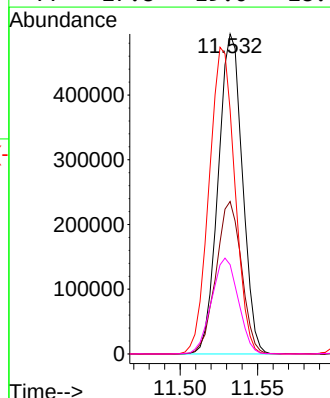
Ion Ratio Lower Upper

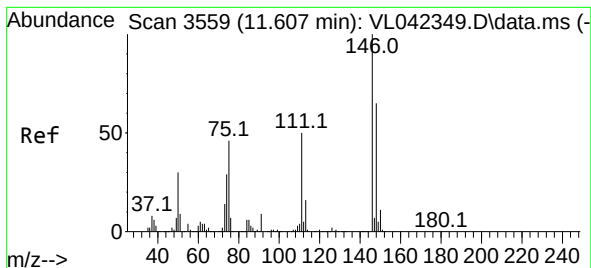
105 100

120 47.6 38.1 57.1

91 76.2 48.8 73.2#

77 27.8 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 9.035 ppbv

RT: 11.603 min Scan# 3559

Delta R.T. -0.003 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

Tgt Ion:146 Resp: 284652

Ion Ratio Lower Upper

146 100

111 50.9 24.3 72.8

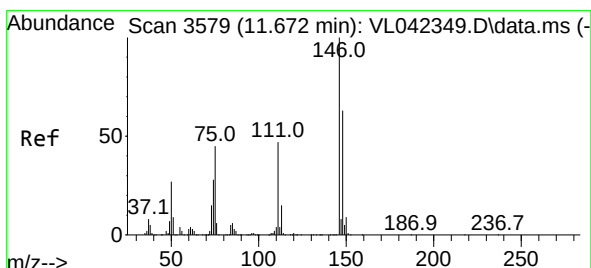
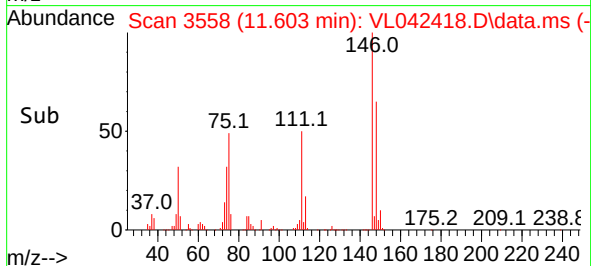
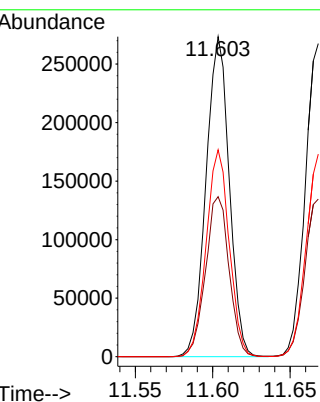
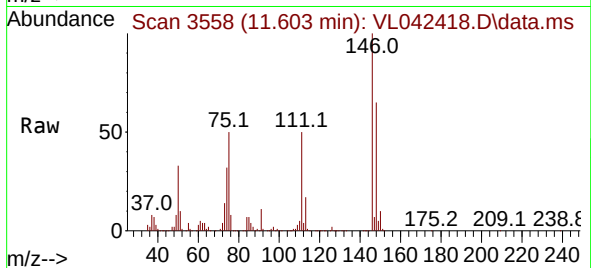
148 64.3 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025



#76

1,4-Dichlorobenzene

Concen: 8.992 ppbv

RT: 11.668 min Scan# 3578

Delta R.T. -0.003 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

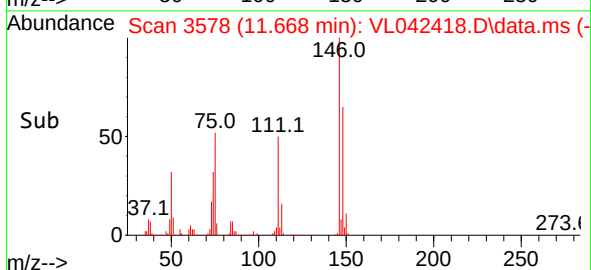
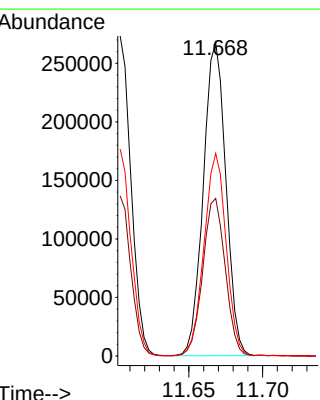
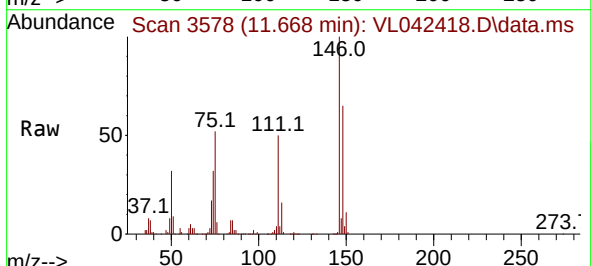
Tgt Ion:146 Resp: 284740

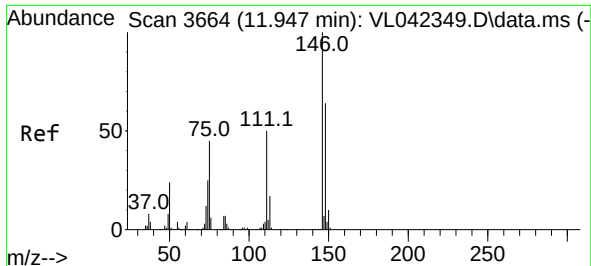
Ion Ratio Lower Upper

146 100

111 50.4 24.2 72.6

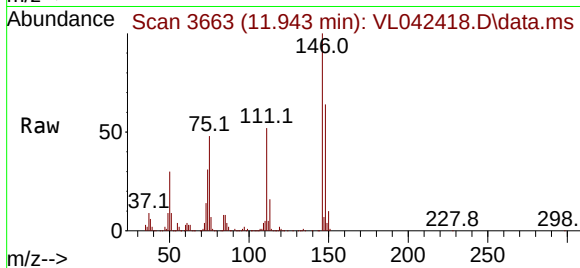
148 63.7 32.1 96.5





#77
1,2-Dichlorobenzene
Concen: 9.095 ppbv
RT: 11.943 min Scan# 3663
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

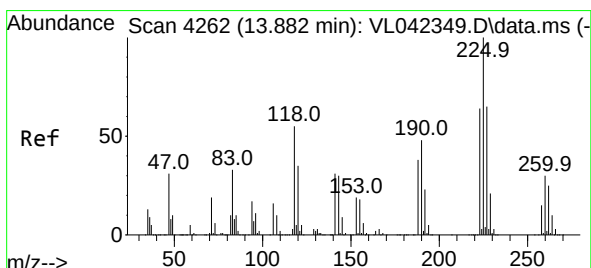
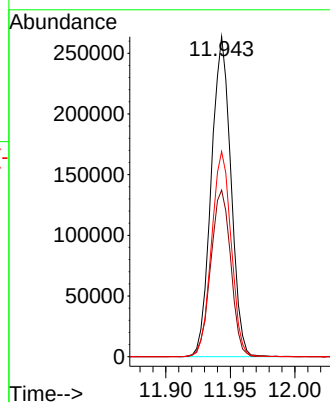
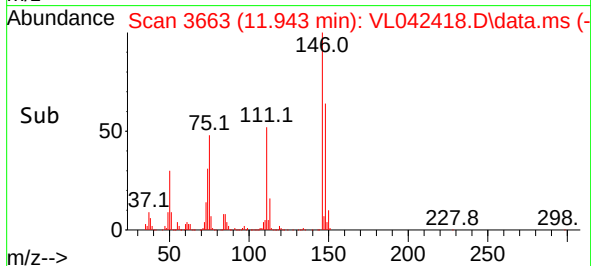
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01



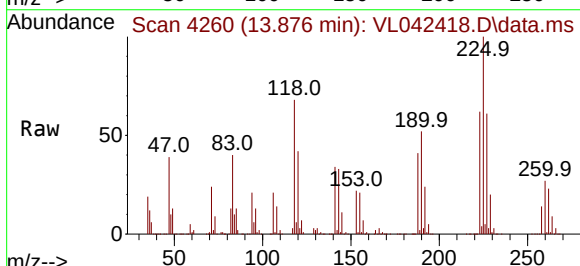
Tgt Ion:146 Resp: 278619
Ion Ratio Lower Upper
146 100
111 53.0 25.3 75.9
148 64.0 31.5 94.5

Manual Integrations
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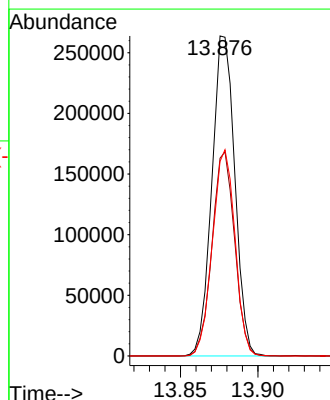
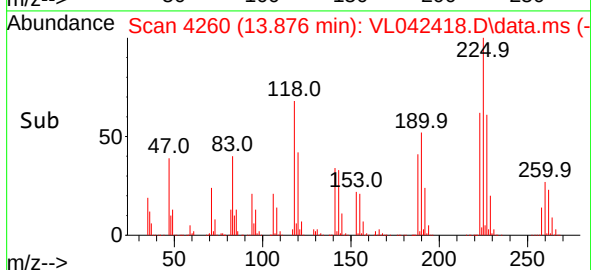
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

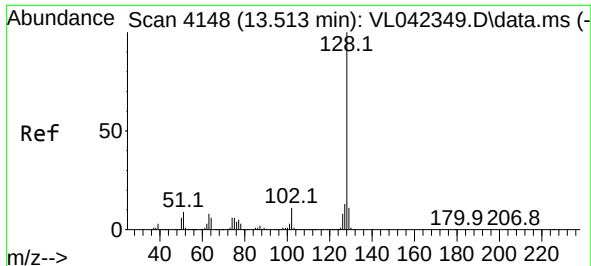


#78
Hexachloro-1,3-Butadiene
Concen: 8.779 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10



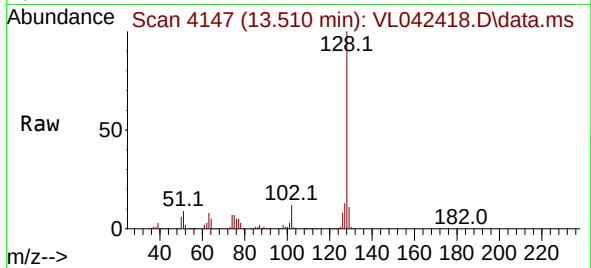
Tgt Ion:225 Resp: 271569
Ion Ratio Lower Upper
225 100
223 62.8 50.3 75.5
227 63.3 51.5 77.3





#79
Naphthalene
Concen: 8.482 ppbv
RT: 13.510 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

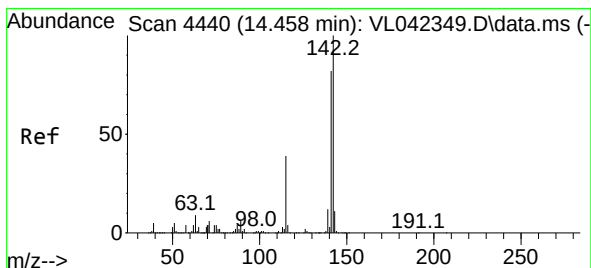
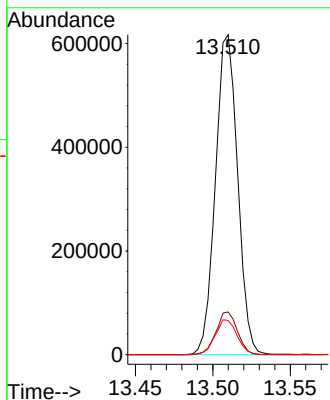
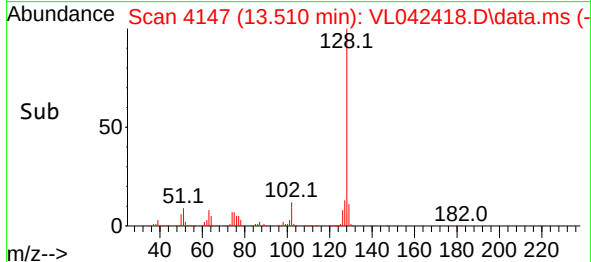
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01



Tgt Ion:128 Resp: 614768
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.7 8.6 12.8

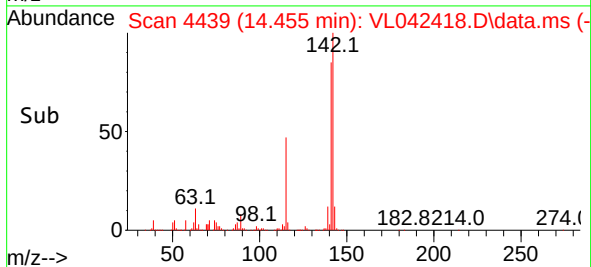
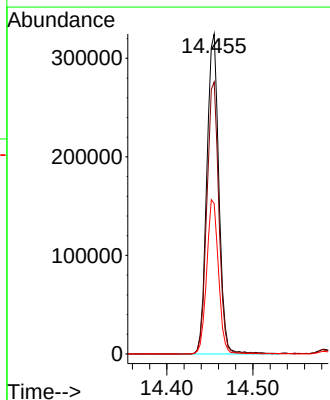
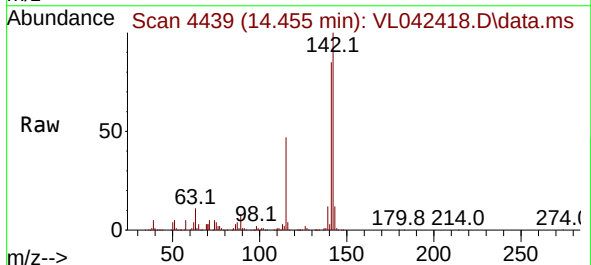
Manual Integrations
APPROVED

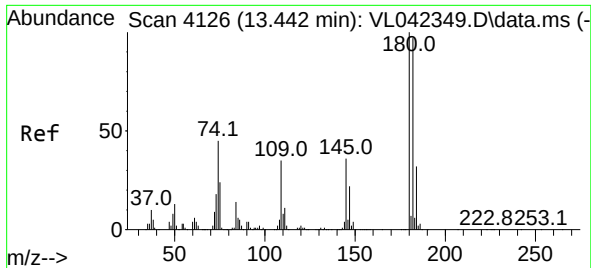
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#80
Naphthalene,2-methyl-
Concen: 7.651 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

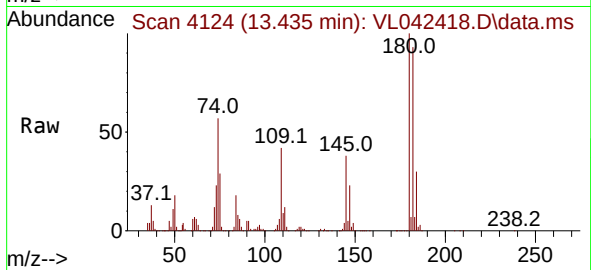
Tgt Ion:142 Resp: 316027
Ion Ratio Lower Upper
142 100
141 84.7 66.8 100.2
115 47.3 33.4 50.2





#81
 1,2,4-Trichlorobenzene
 Concen: 8.729 ppbv
 RT: 13.435 min Scan# 41
 Delta R.T. -0.007 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01



Tgt Ion:180 Resp: 27165
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.8 115.2
 184 30.4 24.6 36.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/30/2025

