

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
 Data File : VL042328.D
 Acq On : 15 Apr 2025 12:54
 Operator : SY/MD
 Sample : VL0415ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0415ABS01

Quant Time: Apr 16 01:30:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/16/2025
 Supervised By : Mahesh Dadoda 04/16/2025

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

Internal Standards						
1) Bromochloromethane	2.810	49	171986	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	3.994	114	444595	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.917	117	399604	10.000	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.406	95	318902	9.718	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.509	85	214241	8.437	ppbv	99
3) Chlorodifluoromethane	1.486	51	234966	9.058	ppbv	97
4) Chloromethane	1.541	50	88230	8.502	ppbv	98
5) Vinyl Chloride	1.589	62	82221	7.476	ppbv	94
6) Bromomethane	1.680	94	36050	7.665	ppbv	100
7) Chloroethane	1.716	64	33039	7.931	ppbv	97
8) Dichlorotetrafluoroethane	1.564	85	178173	8.239	ppbv	95
9) Propene	1.492	41	94136	7.917	ppbv	99
10) Heptane	5.027	43	267288	8.451	ppbv	99
11) Trichlorofluoromethane	1.890	101	201665	8.162	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.156	101	154306	7.598	ppbv	98
13) Ethanol	1.732	45	4407	3.921	ppbv	97
14) Bromoethene	1.793	108	57635	7.408	ppbv	99
15) Acetone	1.848	43	178724	7.430	ppbv	96
16) 1,3-Butadiene	1.619	39	89479	7.617	ppbv	96
17) tert-Butyl alcohol	2.055	59	202421	6.757	ppbv	99
18) 1,1-Dichloroethene	2.049	96	69013	7.269	ppbv	97
19) Isopropyl Alcohol	1.900	45	100289	7.390	ppbv	97
20) Methylene Chloride	2.075	84	60054	6.704	ppbv	88
21) Allyl Chloride	2.111	41	127800	7.534	ppbv	98
22) trans-1,2-Dichloroethene	2.360	96	78991	7.198	ppbv	98
23) Vinyl Acetate	2.483	43	64777	6.222	ppbv	98
24) 1,1-Dichloroethane	2.428	63	168373	8.277	ppbv	99
25) Ethyl Acetate	2.861	43	545140	8.732	ppbv	99
26) Hexane	2.848	57	205629	8.528	ppbv	97
27) Carbon Disulfide	2.166	76	191388	7.402	ppbv	99
28) Methyl tert-Butyl Ether	2.460	73	107667	7.172	ppbv	96
29) Chloroform	2.874	83	309262	8.763	ppbv	100
30) Cyclohexane	3.891	84	165914	7.924	ppbv	98
31) cis-1,2-Dichloroethene	2.742	61	197651	8.074	ppbv	99
32) 1,1,1-Trichloroethane	3.395	97	304143	7.528	ppbv	97
34) 2-Butanone	2.580	43	300576	9.323	ppbv	98
35) Carbon Tetrachloride	3.797	117	314849	9.065	ppbv	99
36) Benzene	3.690	78	407959	9.256	ppbv	98
37) 1,2-Dichloroethane	3.247	62	235609	9.337	ppbv	99
38) Trichloroethene	4.590	130	164664	8.954	ppbv	96
39) 1,2-Dichloropropane	4.354	63	149260	9.299	ppbv	97
40) 1,4-Dioxane	4.625	88	68773	8.072	ppbv #	95
41) Tetrahydrofuran	3.082	42	173776	9.361	ppbv	95
42) Bromodichloromethane	4.532	83	327497	9.414	ppbv	99
43) Methyl Methacrylate	4.930	69	151531	8.121	ppbv	98
44) 2,2,4-Trimethylpentane	4.680	57	707832	9.503	ppbv	98
45) t-1,3-Dichloropropene	6.470	75	143714	7.179	ppbv	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
 Data File : VL042328.D
 Acq On : 15 Apr 2025 12:54
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 Sample : VL0415ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VL0415ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025

Quant Time: Apr 16 01:30:27 2025

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

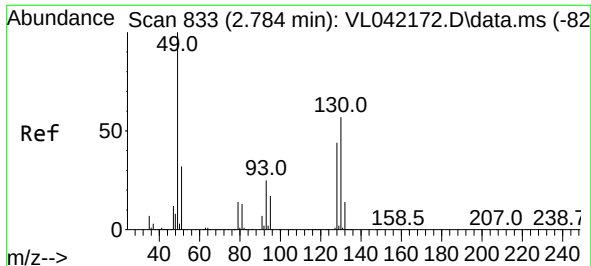
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

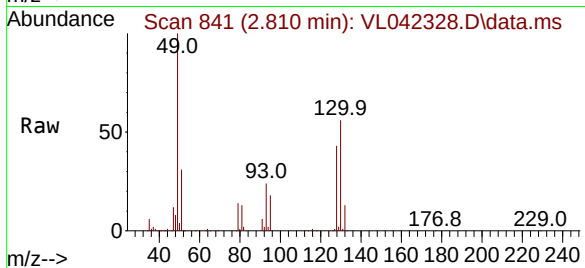
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.658	75	192419	7.841	ppbv	96
47) 1,1,2-Trichloroethane	6.635	97	163251	9.621	ppbv	98
48) Dibromochloromethane	7.428	129	266192	9.256	ppbv	100
49) Bromoform	9.519	173	236686	9.168	ppbv	99
50) 4-Methyl-2-Pentanone	5.807	43	429988	8.416	ppbv	95
51) 2-Hexanone	7.480	43	344172	8.203	ppbv #	96
52) Tetrachloroethene	8.263	164	139845	8.000	ppbv	95
53) Toluene	6.978	91	447178	8.559	ppbv	99
54) 1,2-Dibromoethane	7.694	107	214982	9.089	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.959	131	216770	9.855	ppbv	98
57) Chlorobenzene	8.956	112	369132	9.739	ppbv	95
58) Ethyl Benzene	9.390	91	618669	8.716	ppbv	100
59) m/p-Xylene	9.584	91	1049238m	18.512	ppbv	
60) o-Xylene	9.995	91	517471	9.107	ppbv	96
61) Styrene	9.904	104	229601	8.168	ppbv	97
62) Isopropylbenzene	10.568	105	785673	9.247	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.995	83	351308	10.176	ppbv	99
64) n-propylbenzene	11.018	120	210294	9.615	ppbv	98
65) tert-Butylbenzene	11.558	119	718948	9.149	ppbv	97
66) Benzyl Chloride	11.642	91	55150	6.614	ppbv	99
67) sec-Butylbenzene	11.795	105	1018861	9.328	ppbv	100
69) p-Isopropyltoluene	11.950	119	863264	9.179	ppbv	99
70) n-Butylbenzene	12.306	91	891883	9.273	ppbv	99
71) 2-Chlorotoluene	10.930	91	590408	8.953	ppbv	99
72) 4-Ethyltoluene	11.150	105	652962	9.230	ppbv	98
73) 1,3,5-Trimethylbenzene	11.231	105	559451	9.055	ppbv	100
74) 1,2,4-Trimethylbenzene	11.565	105	632271	8.883	ppbv	97
75) 1,3-Dichlorobenzene	11.633	146	381882	9.782	ppbv	98
76) 1,4-Dichlorobenzene	11.697	146	383116	9.861	ppbv	98
77) 1,2-Dichlorobenzene	11.973	146	386768	10.175	ppbv	98
78) Hexachloro-1,3-Butadiene	13.905	225	314860	8.138	ppbv	100
79) Naphthalene	13.539	128	777722	9.989	ppbv	99
80) Naphthalene,2-methyl-	14.481	142	375541	9.836	ppbv	98
81) 1,2,4-Trichlorobenzene	13.465	180	343011	9.551	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.810 min Scan# 841
Delta R.T. 0.026 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

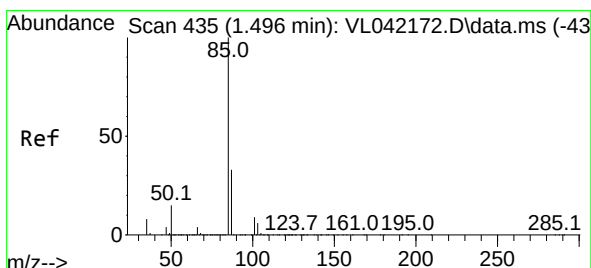
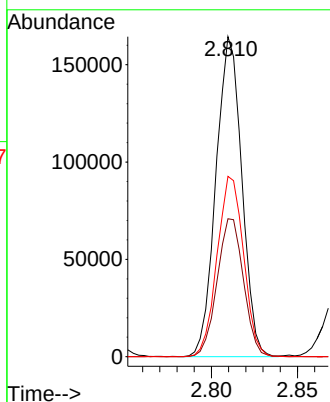
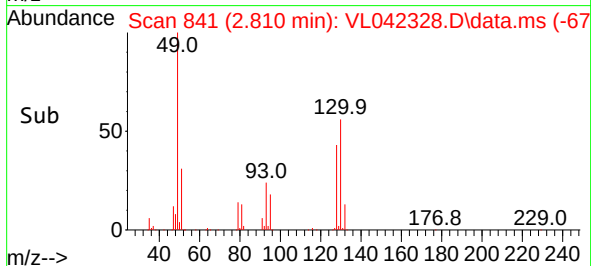
Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01



Tgt Ion: 49 Resp: 171980
Ion Ratio Lower Upper
49 100
128 43.9 22.9 68.5
130 57.7 28.8 86.4

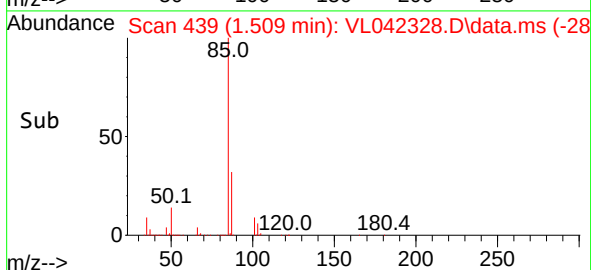
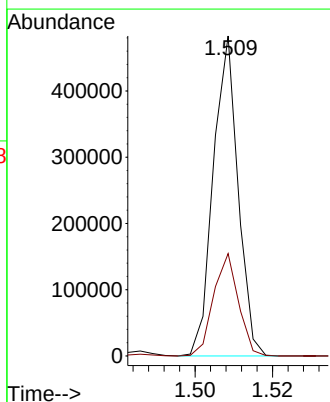
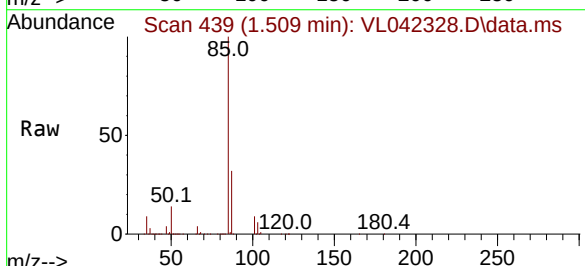
Manual Integrations
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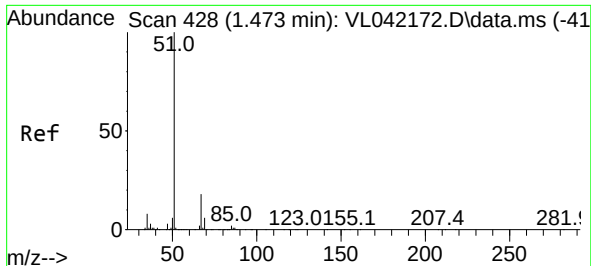
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#2
Dichlorodifluoromethane
Concen: 8.437 ppbv
RT: 1.509 min Scan# 439
Delta R.T. 0.013 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

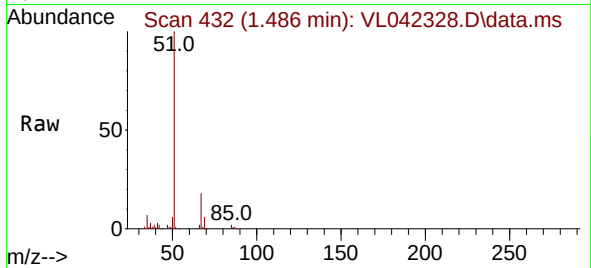
Tgt Ion: 85 Resp: 214241
Ion Ratio Lower Upper
85 100
87 32.0 26.1 39.1





#3
Chlorodifluoromethane
Concen: 9.058 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

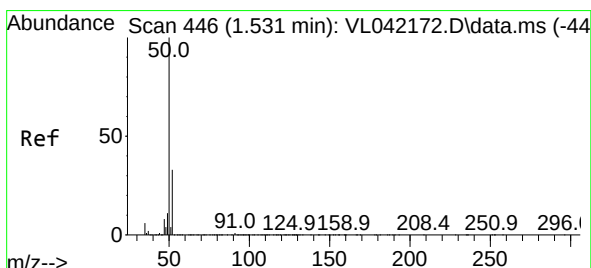
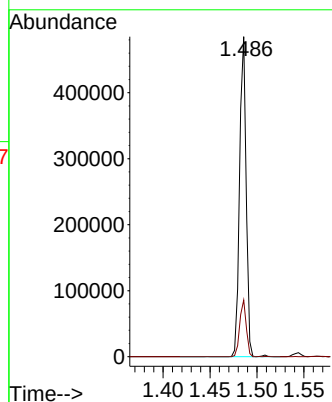
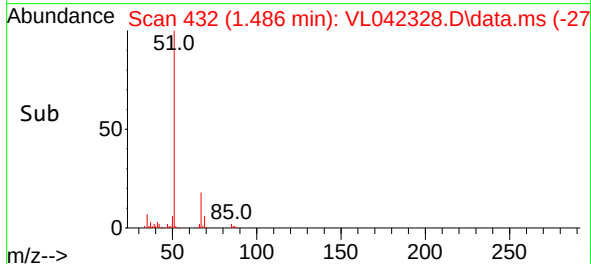
Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01



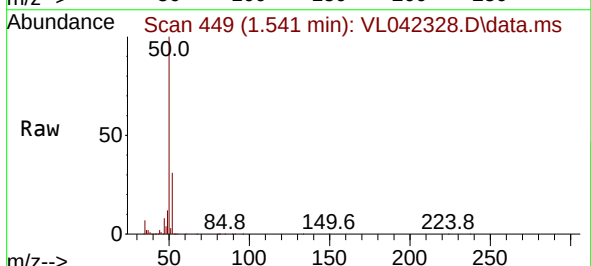
Tgt Ion: 51 Resp: 234960
Ion Ratio Lower Upper
51 100
67 17.6 15.0 22.6

Manual Integrations
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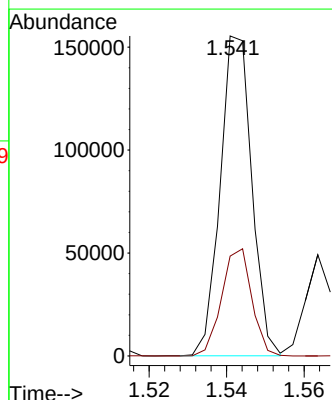
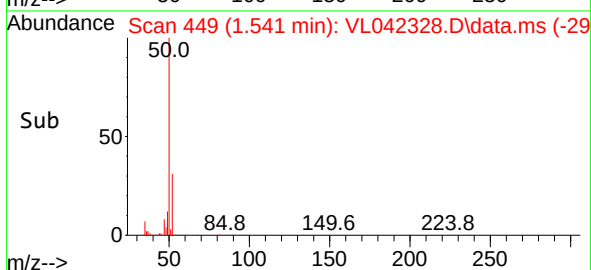
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

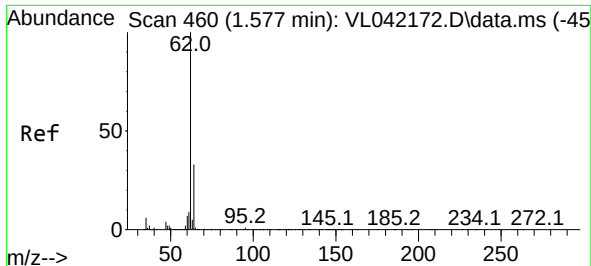


#4
Chloromethane
Concen: 8.502 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.010 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54



Tgt Ion: 50 Resp: 88230
Ion Ratio Lower Upper
50 100
52 31.2 26.1 39.1





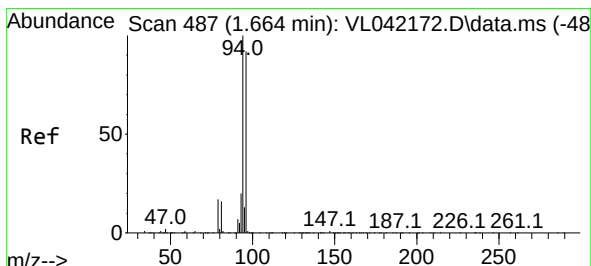
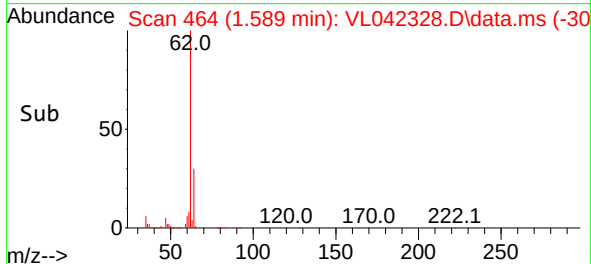
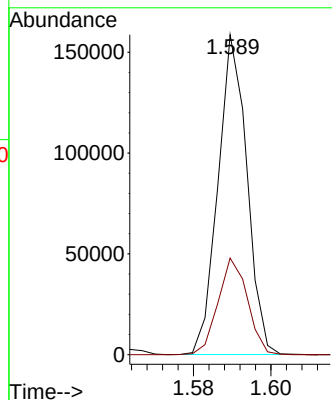
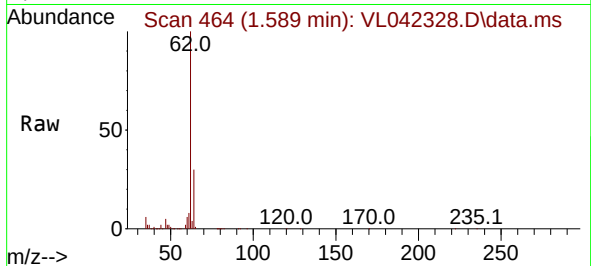
#5
 Vinyl Chloride
 Concen: 7.476 ppbv
 RT: 1.589 min Scan# 40
 Delta R.T. 0.013 min
 Lab File: VL042328.D
 Acq: 15 Apr 2025 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0415ABS01

Tgt Ion: 62 Resp: 8222
 Ion Ratio Lower Upper
 62 100
 64 30.2 26.6 40.0

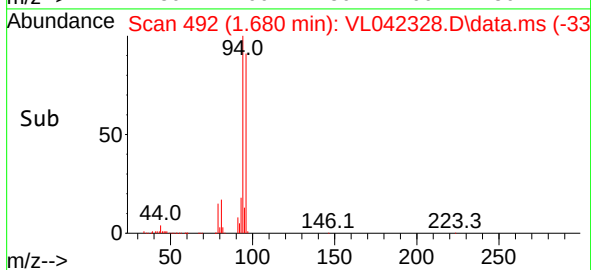
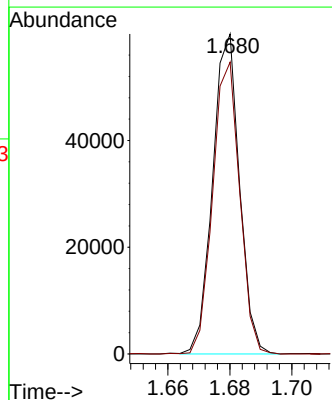
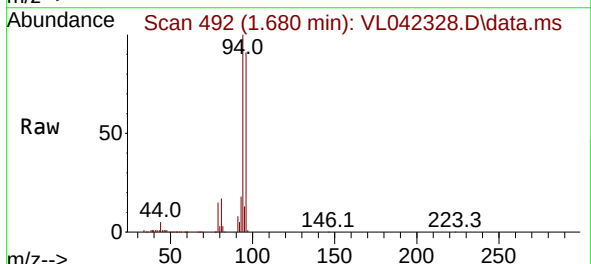
Manual Integrations
 APPROVED

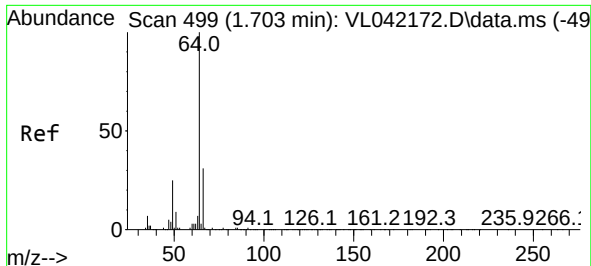
Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025



#6
 Bromomethane
 Concen: 7.665 ppbv
 RT: 1.680 min Scan# 492
 Delta R.T. 0.016 min
 Lab File: VL042328.D
 Acq: 15 Apr 2025 12:54

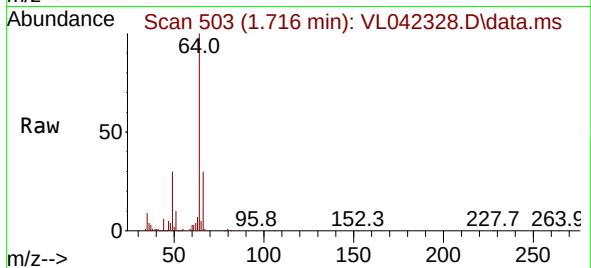
Tgt Ion: 94 Resp: 36050
 Ion Ratio Lower Upper
 94 100
 96 91.2 73.1 109.7





#7
Chloroethane
Concen: 7.931 ppbv
RT: 1.716 min Scan# 503
Delta R.T. 0.013 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

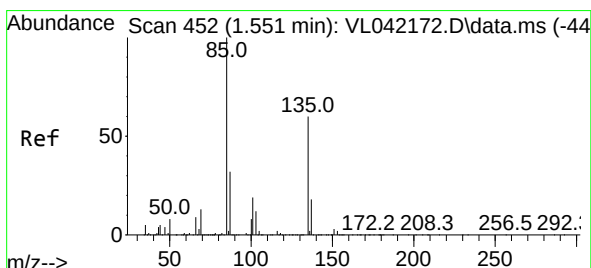
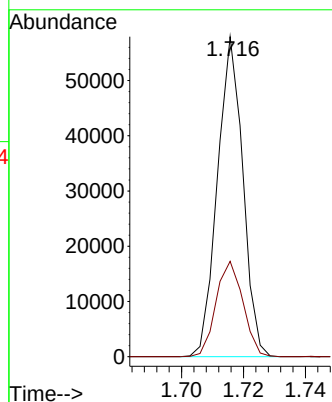
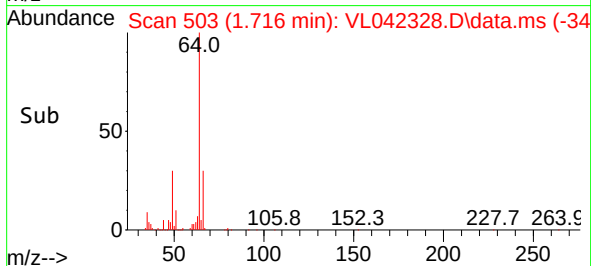
Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01



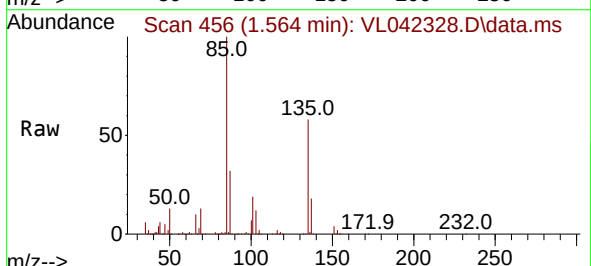
Tgt Ion: 64 Resp: 33039
Ion Ratio Lower Upper
64 100
66 29.8 25.2 37.8

Manual Integrations
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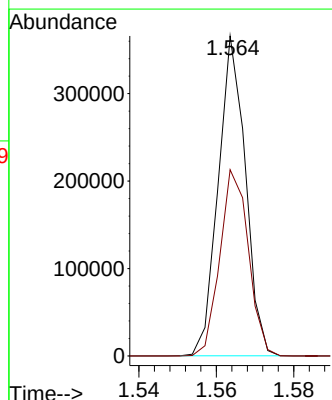
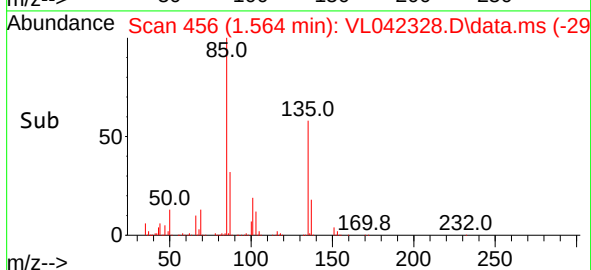
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

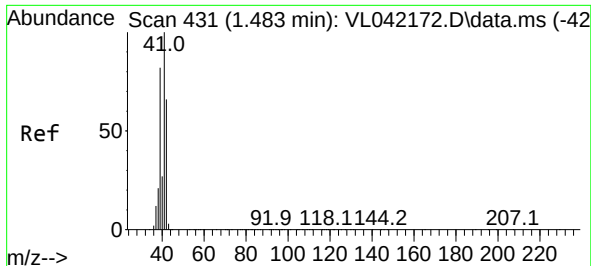


#8
Dichlorotetrafluoroethane
Concen: 8.239 ppbv
RT: 1.564 min Scan# 456
Delta R.T. 0.013 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54



Tgt Ion: 85 Resp: 178173
Ion Ratio Lower Upper
85 100
135 61.3 52.4 78.6





#9

Propene

Concen: 7.917 ppbv

RT: 1.492 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL0415ABS01

Tgt Ion: 41 Resp: 94130

Ion Ratio Lower Upper

41 100

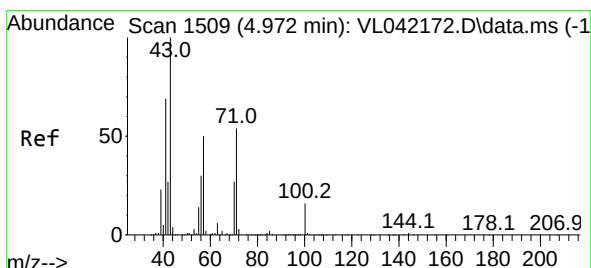
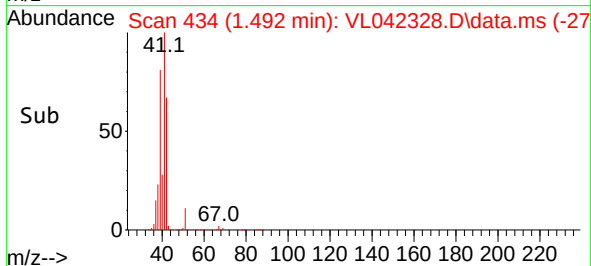
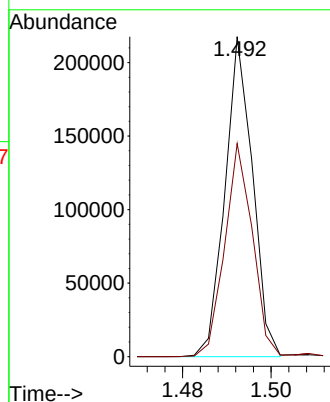
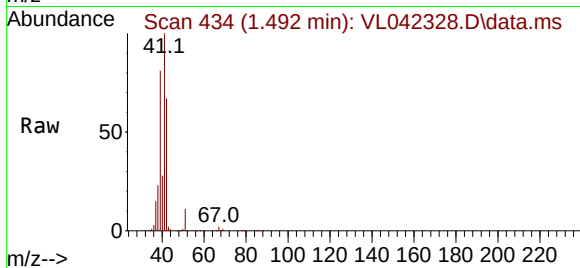
42 68.2 55.4 83.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025

Supervised By :Mahesh Dadoda 04/16/2025



#10

Heptane

Concen: 8.451 ppbv

RT: 5.027 min Scan# 1526

Delta R.T. 0.055 min

Lab File: VL042328.D

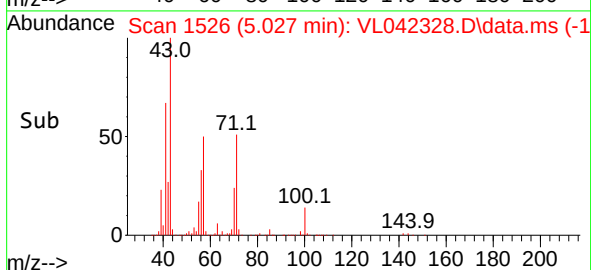
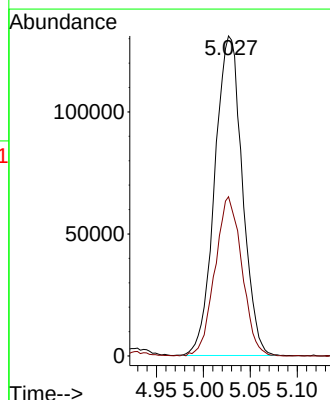
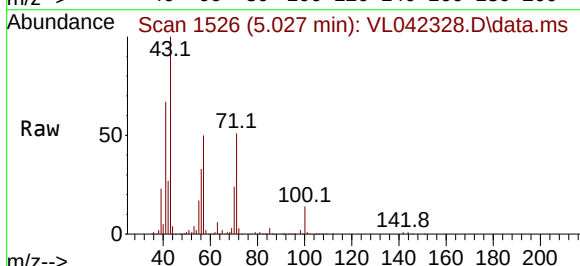
Acq: 15 Apr 2025 12:54

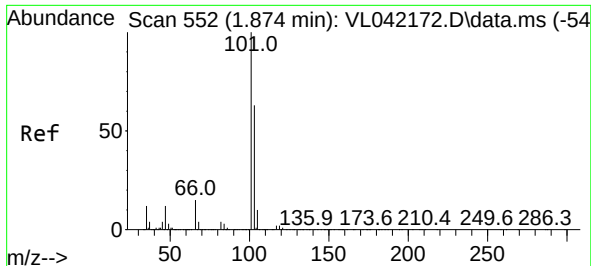
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Ion Ratio Lower Upper

43 100

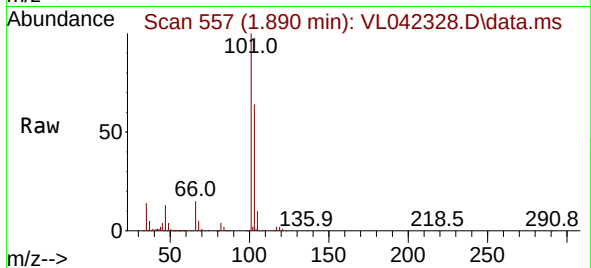
57 48.8 39.4 59.2





#11
 Trichlorofluoromethane
 Concen: 8.162 ppbv
 RT: 1.890 min Scan# 511
 Delta R.T. 0.016 min
 Lab File: VL042328.D
 Acq: 15 Apr 2025 12:54

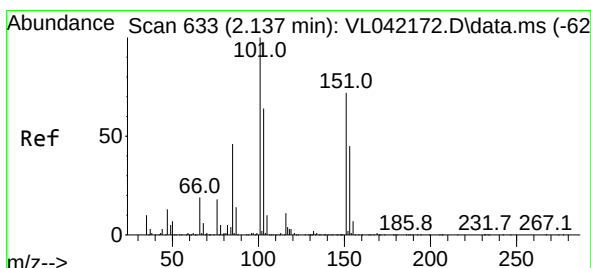
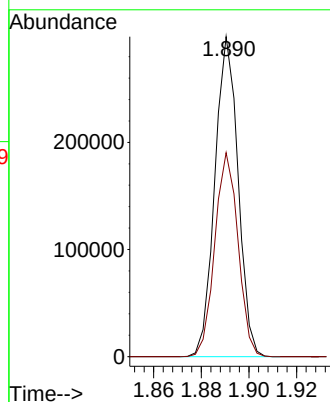
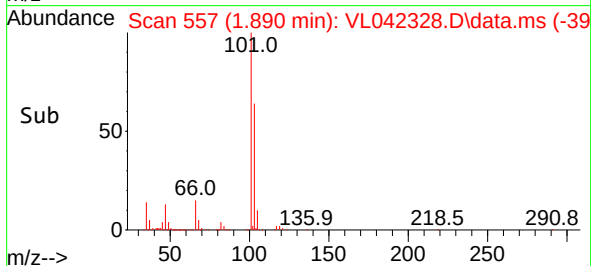
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0415ABS01



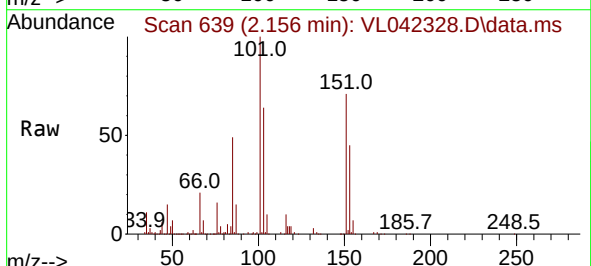
Tgt Ion:101 Resp: 20166
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.2 75.2

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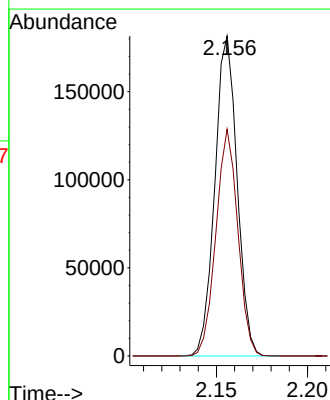
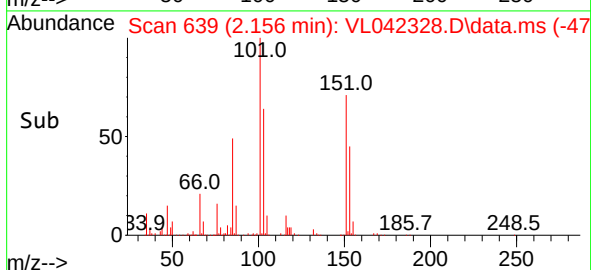
Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025

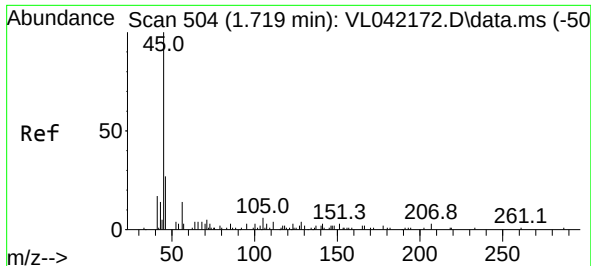


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 7.598 ppbv
 RT: 2.156 min Scan# 639
 Delta R.T. 0.019 min
 Lab File: VL042328.D
 Acq: 15 Apr 2025 12:54



Tgt Ion:101 Resp: 154306
 Ion Ratio Lower Upper
 101 100
 151 69.6 57.1 85.7





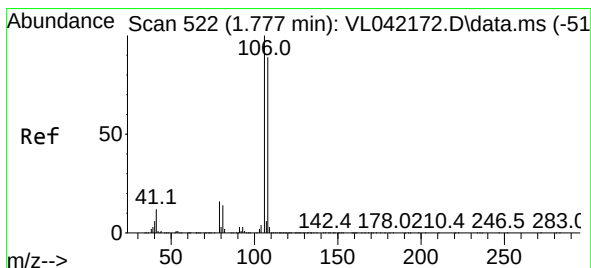
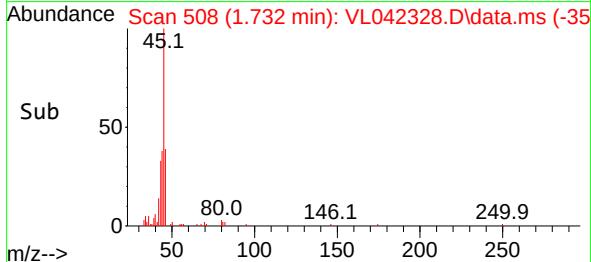
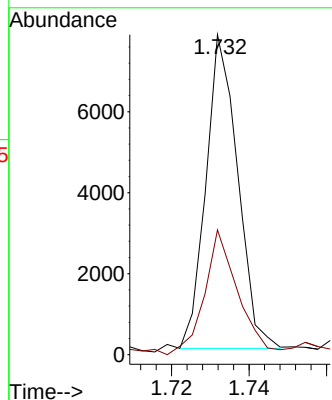
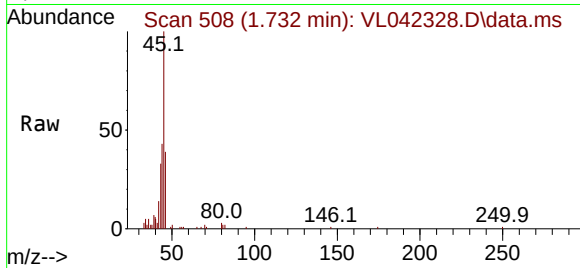
#13
Ethanol
Concen: 3.921 ppbv
RT: 1.732 min Scan# 504
Delta R.T. 0.013 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01

Tgt Ion: 45 Resp: 440
Ion Ratio Lower Upper
45 100
46 48.1 20.2 80.8

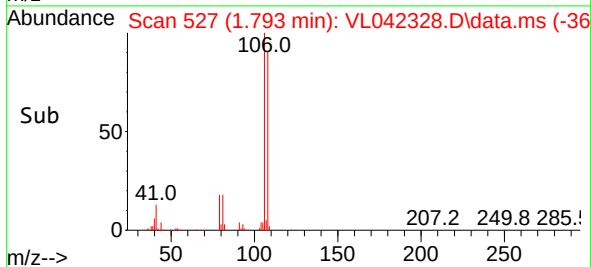
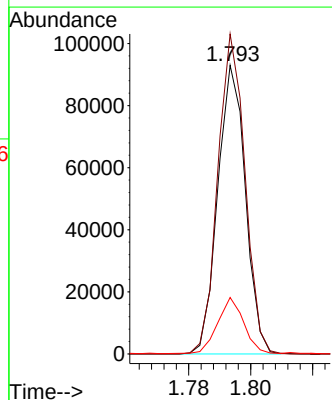
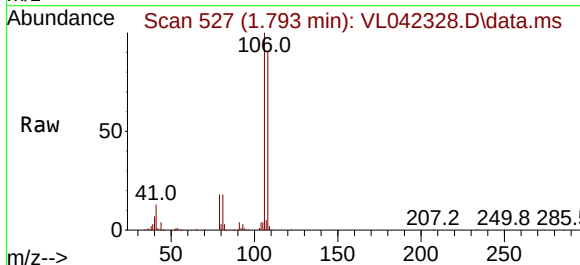
Manual Integrations
APPROVED

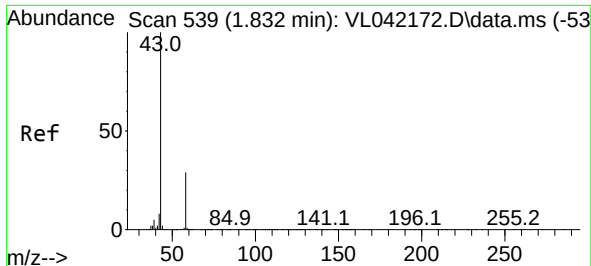
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#14
Bromoethene
Concen: 7.408 ppbv
RT: 1.793 min Scan# 527
Delta R.T. 0.016 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

Tgt Ion:108 Resp: 57635
Ion Ratio Lower Upper
108 100
106 108.9 86.8 130.2
79 19.8 15.0 22.6





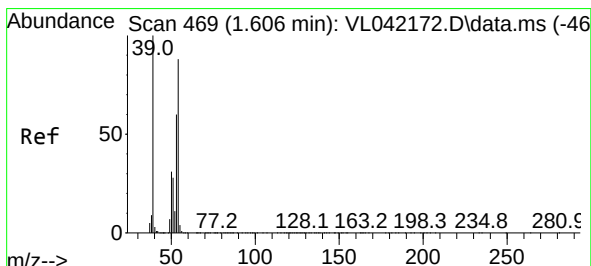
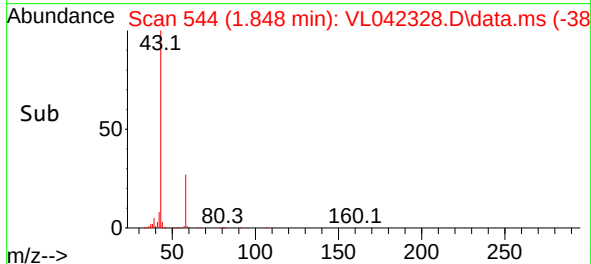
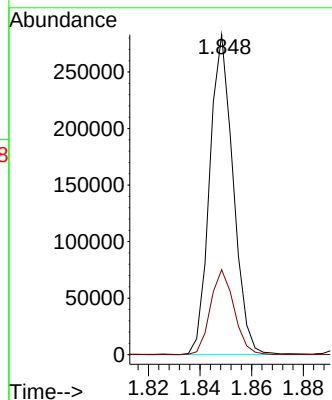
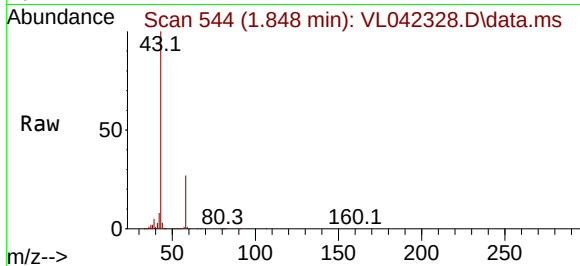
#15
Acetone
Concen: 7.430 ppbv
RT: 1.848 min Scan# 54
Delta R.T. 0.016 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01

Tgt Ion: 43 Resp: 178724
Ion Ratio Lower Upper
43 100
58 26.8 23.2 34.8

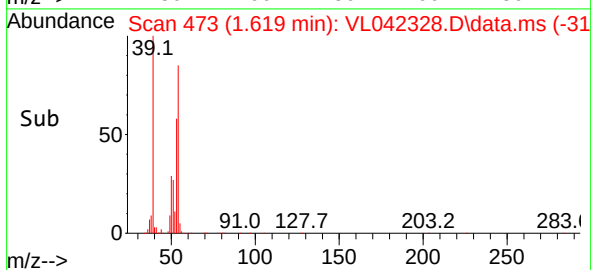
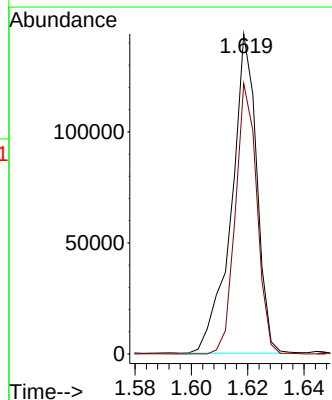
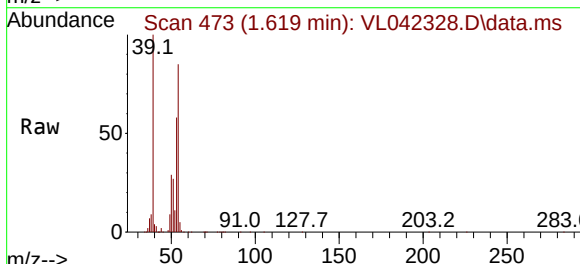
Manual Integrations
APPROVED

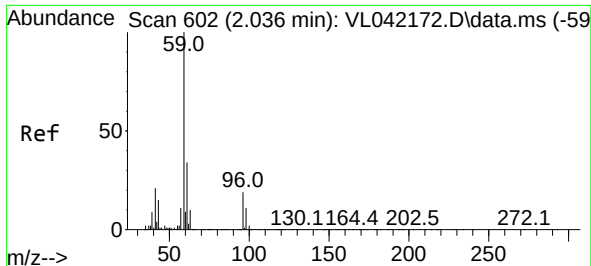
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#16
1,3-Butadiene
Concen: 7.617 ppbv
RT: 1.619 min Scan# 473
Delta R.T. 0.013 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

Tgt Ion: 39 Resp: 89479
Ion Ratio Lower Upper
39 100
54 72.1 60.7 91.1





#17

tert-Butyl alcohol

Concen: 6.757 ppbv

RT: 2.055 min Scan# 608

Delta R.T. 0.019 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL0415ABS01

Tgt Ion: 59 Resp: 20242

Ion Ratio Lower Upper

59 100

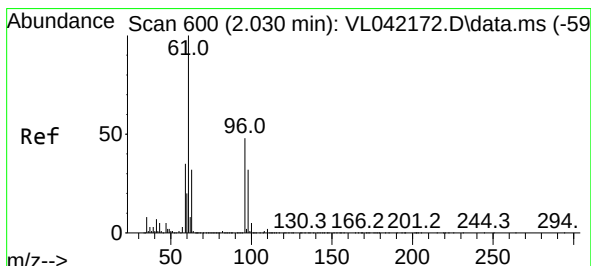
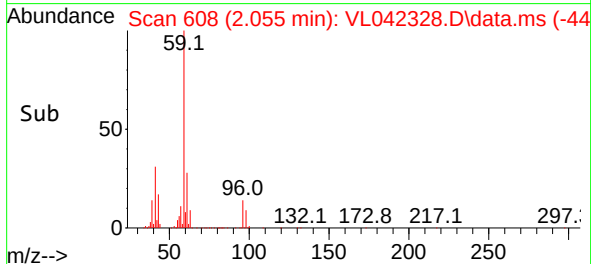
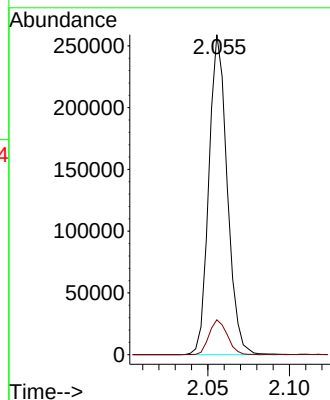
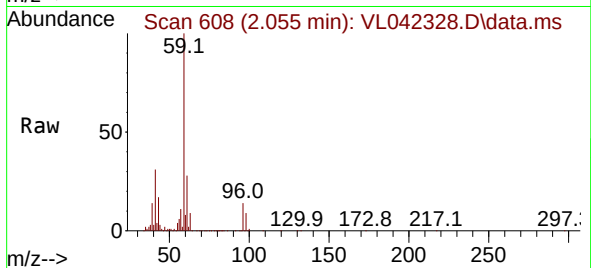
57 10.8 8.9 13.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/16/2025

Supervised By :Mahesh Dadoda 04/16/2025



#18

1,1-Dichloroethene

Concen: 7.269 ppbv

RT: 2.049 min Scan# 606

Delta R.T. 0.019 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

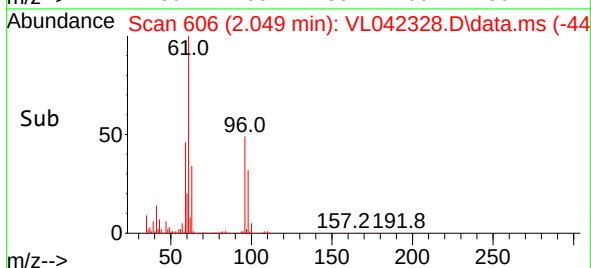
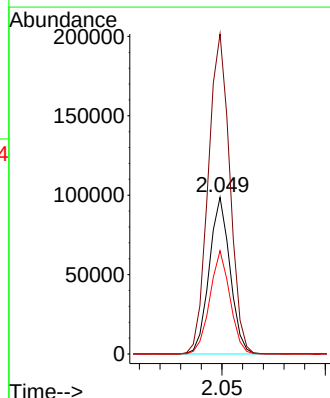
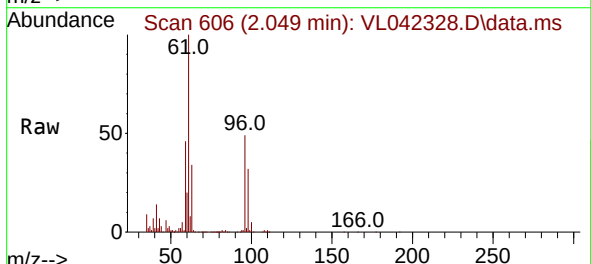
Tgt Ion: 96 Resp: 69013

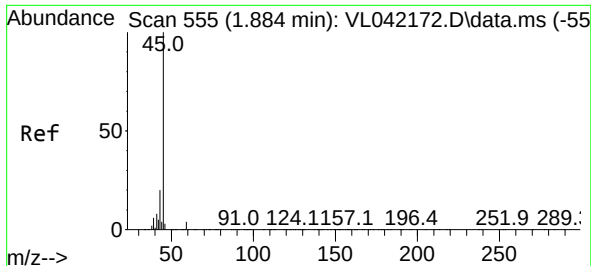
Ion Ratio Lower Upper

96 100

61 204.2 167.6 251.4

98 65.9 53.5 80.3





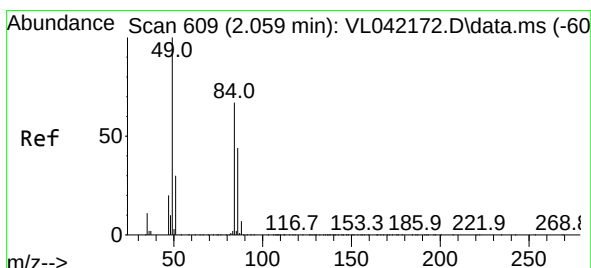
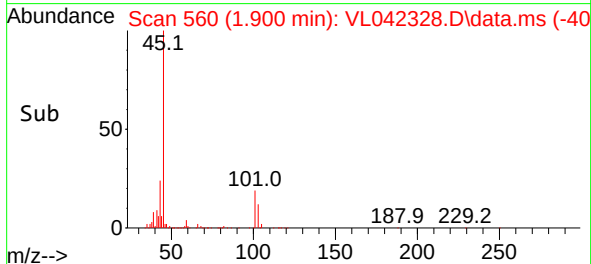
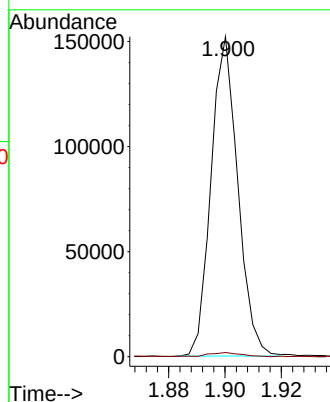
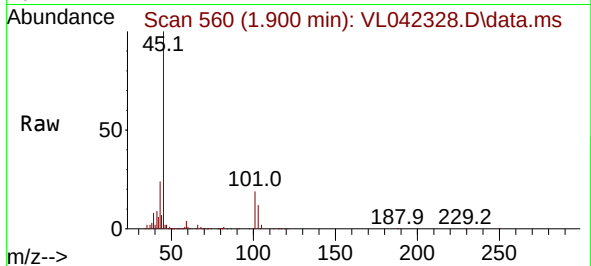
#19
Isopropyl Alcohol
Concen: 7.390 ppbv
RT: 1.900 min Scan# 501
Delta R.T. 0.016 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01

Tgt Ion: 45 Resp: 100289
Ion Ratio Lower Upper
45 100
58 47.9 36.9 55.3

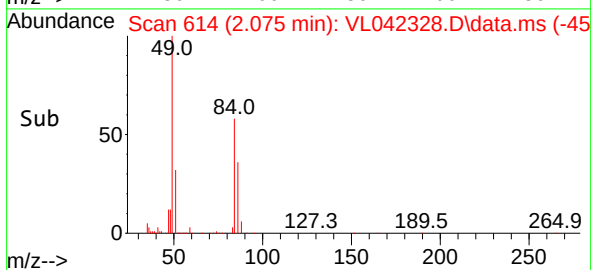
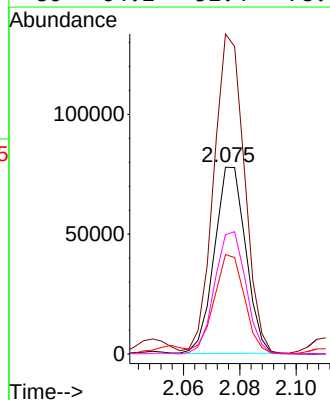
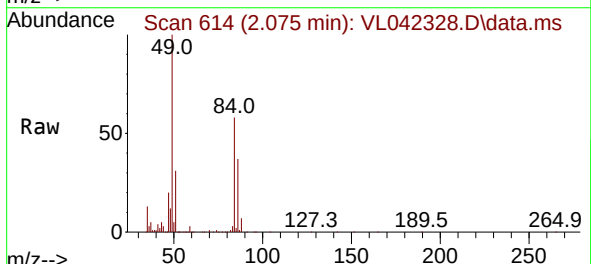
Manual Integrations
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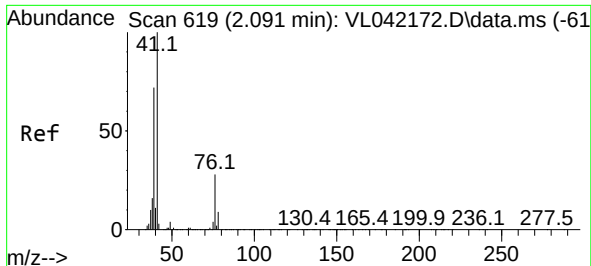
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#20
Methylene Chloride
Concen: 6.704 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.016 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

Tgt Ion: 84 Resp: 60054
Ion Ratio Lower Upper
84 100
49 171.6 120.2 180.4
51 53.0 37.4 56.0
86 64.2 52.4 78.6





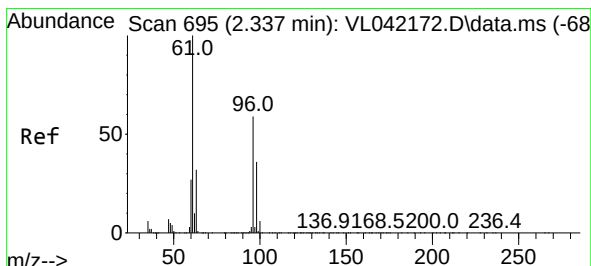
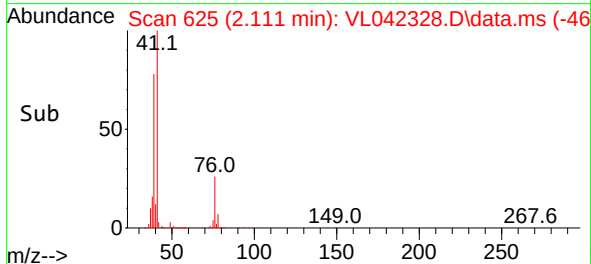
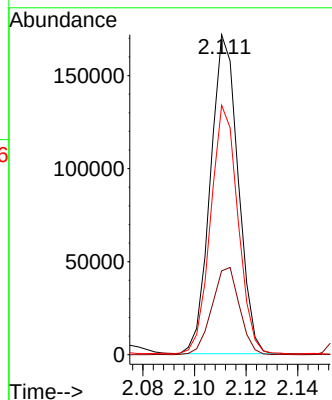
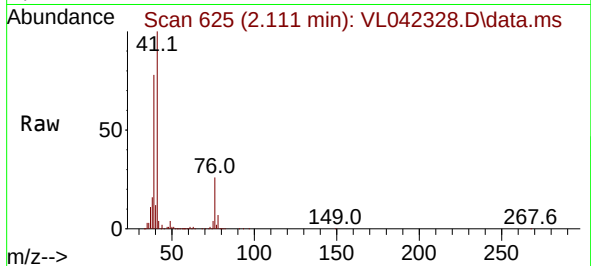
#21
 Allyl Chloride
 Concen: 7.534 ppbv
 RT: 2.111 min Scan# 61
 Delta R.T. 0.019 min
 Lab File: VL042328.D
 Acq: 15 Apr 2025 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0415ABS01

Tgt Ion: 41 Resp: 127800
 Ion Ratio Lower Upper
 41 100
 76 27.3 24.1 36.1
 39 76.8 61.1 91.7

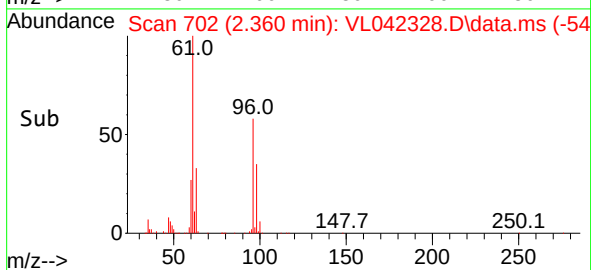
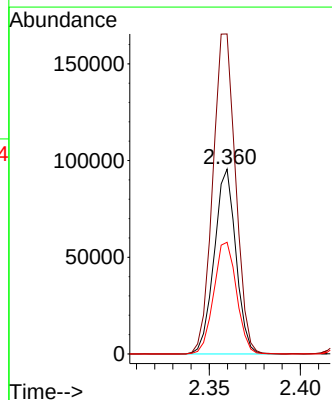
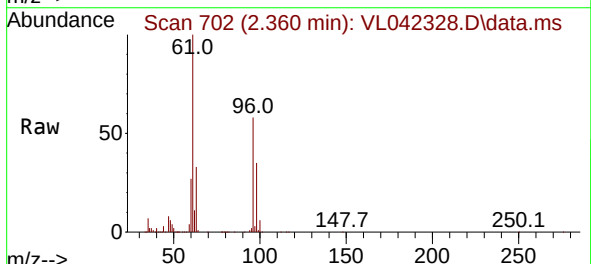
Manual Integrations
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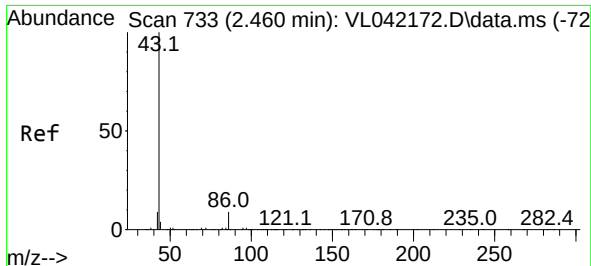
Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025



#22
 trans-1,2-Dichloroethene
 Concen: 7.198 ppbv
 RT: 2.360 min Scan# 702
 Delta R.T. 0.022 min
 Lab File: VL042328.D
 Acq: 15 Apr 2025 12:54

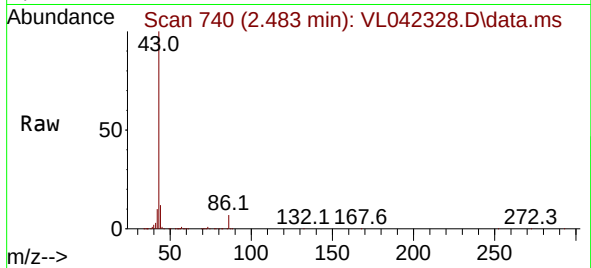
Tgt Ion: 96 Resp: 78991
 Ion Ratio Lower Upper
 96 100
 61 173.2 136.6 204.8
 98 60.4 49.4 74.2





#23
 Vinyl Acetate
 Concen: 6.222 ppbv
 RT: 2.483 min Scan# 740
 Delta R.T. 0.022 min
 Lab File: VL042328.D
 Acq: 15 Apr 2025 12:54

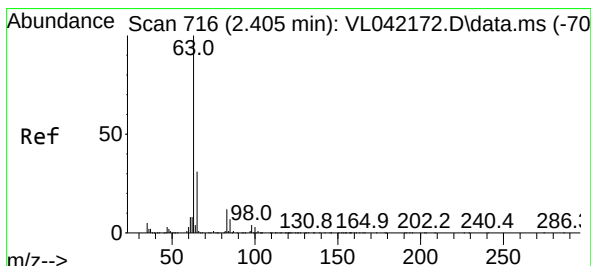
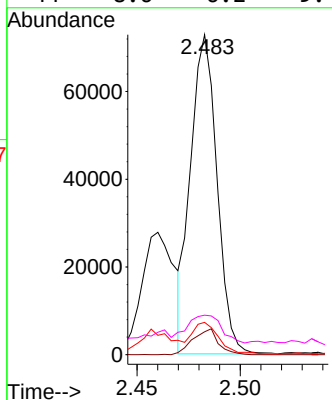
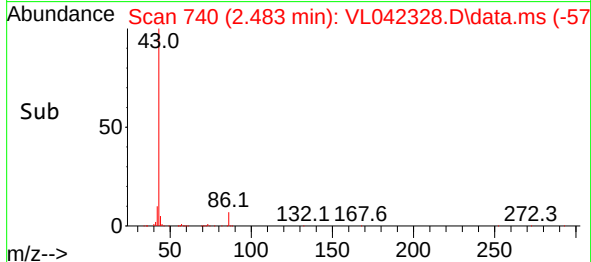
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0415ABS01



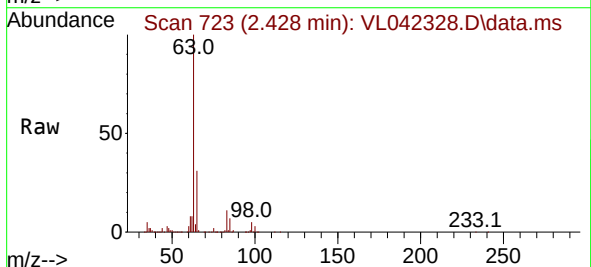
Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.5	8.3
42	9.9	8.6	13.0
44	8.6	6.2	9.4

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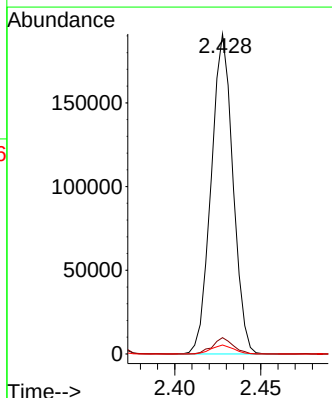
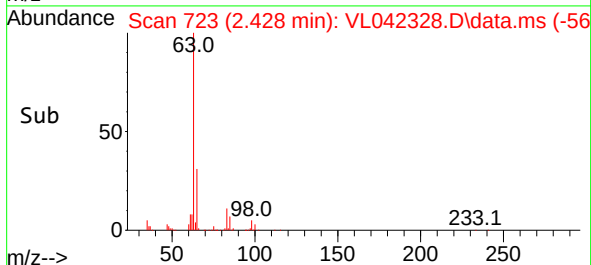
Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025

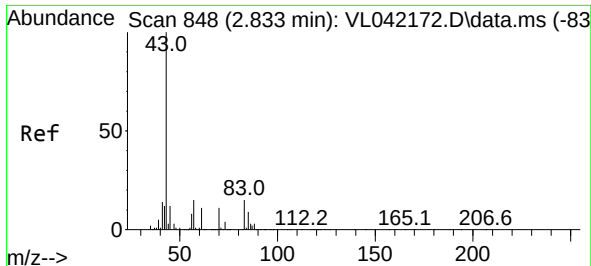


#24
 1,1-Dichloroethane
 Concen: 8.277 ppbv
 RT: 2.428 min Scan# 723
 Delta R.T. 0.022 min
 Lab File: VL042328.D
 Acq: 15 Apr 2025 12:54



Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.3	6.8
100	2.8	1.6	4.7





#25

Ethyl Acetate

Concen: 8.732 ppbv

RT: 2.861 min Scan# 8

Delta R.T. 0.029 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL0415ABS01

Tgt Ion: 43 Resp: 545140

Ion Ratio Lower Upper

43 100

45 10.5 8.2 12.2

61 9.1 7.3 10.9

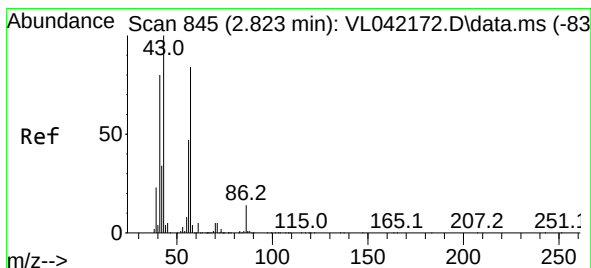
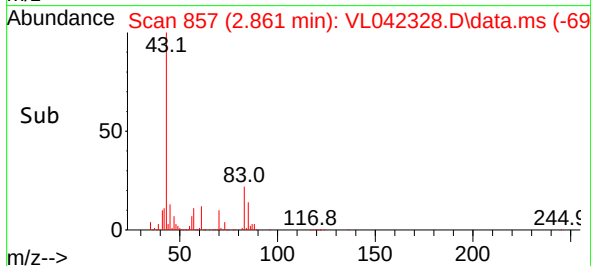
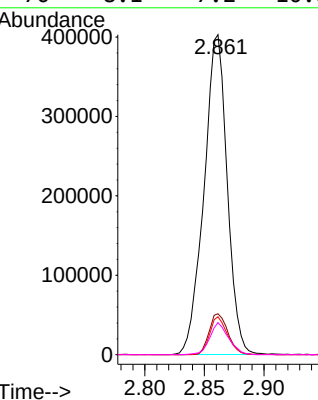
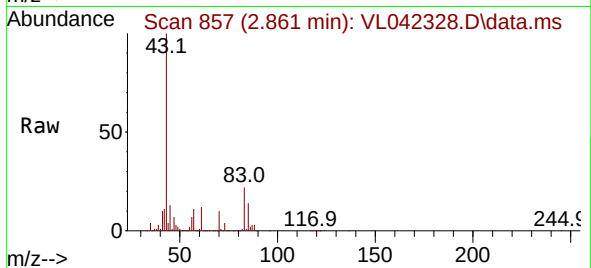
70 8.1 7.2 10.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/16/2025

Supervised By :Mahesh Dadoda 04/16/2025



#26

Hexane

Concen: 8.528 ppbv

RT: 2.848 min Scan# 853

Delta R.T. 0.026 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

Tgt Ion: 57 Resp: 205629

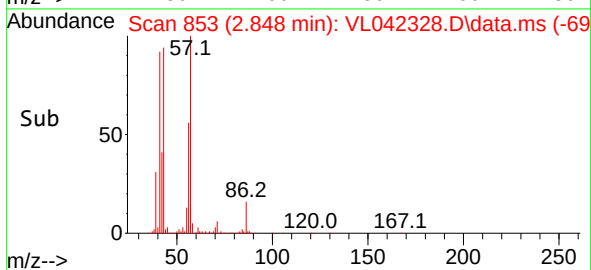
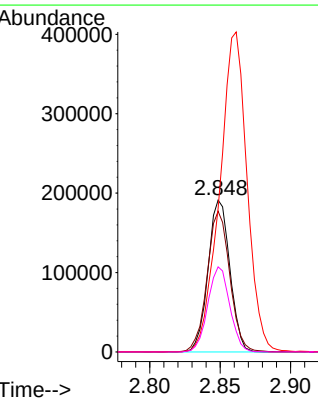
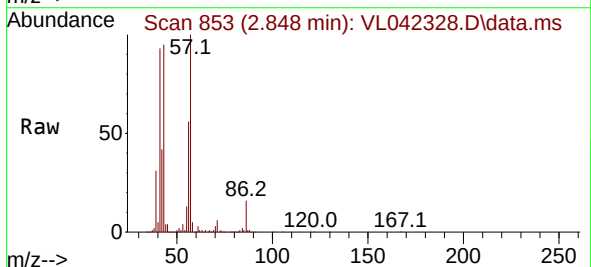
Ion Ratio Lower Upper

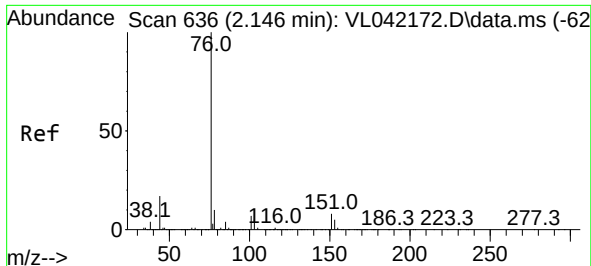
57 100

41 97.2 76.6 114.8

43 265.7 207.8 311.8

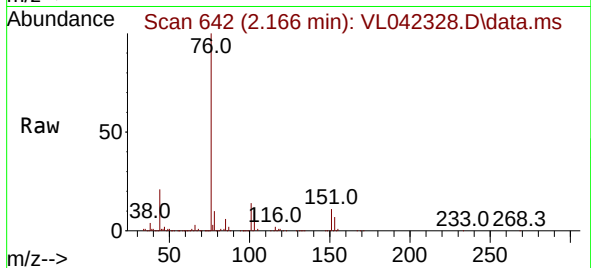
56 56.6 43.6 65.4





#27
Carbon Disulfide
Concen: 7.402 ppbv
RT: 2.166 min Scan# 642
Delta R.T. 0.019 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

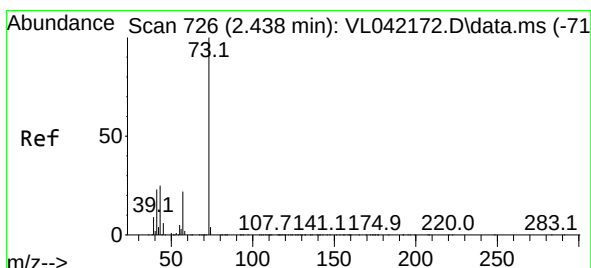
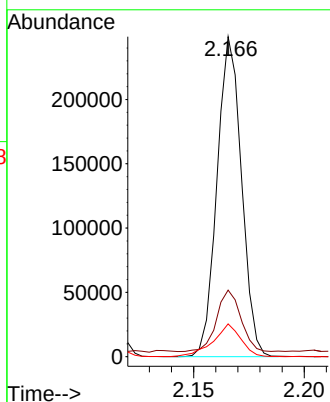
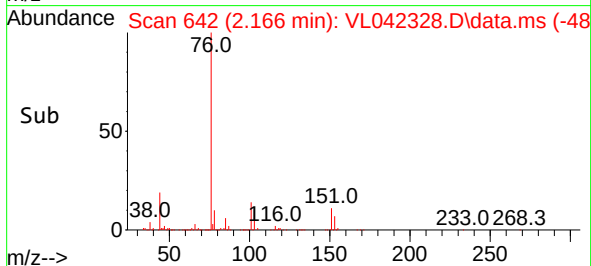
Instrument : MSVOA_L
ClientSampleId : VL0415ABS01



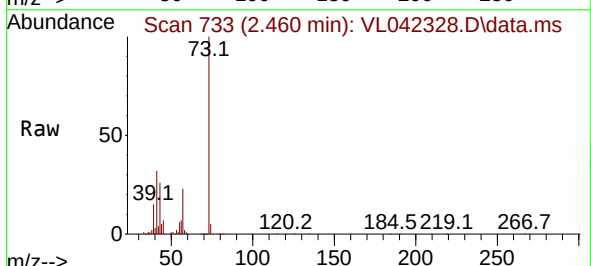
Tgt Ion: 76 Resp: 191388
Ion Ratio Lower Upper
76 100
44 19.3 14.7 22.1
78 11.6 9.3 13.9

Manual Integrations
APPROVED

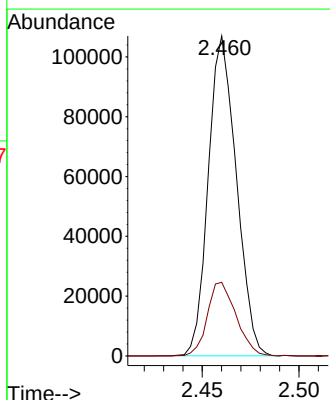
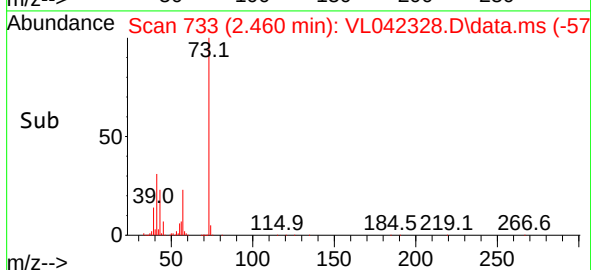
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

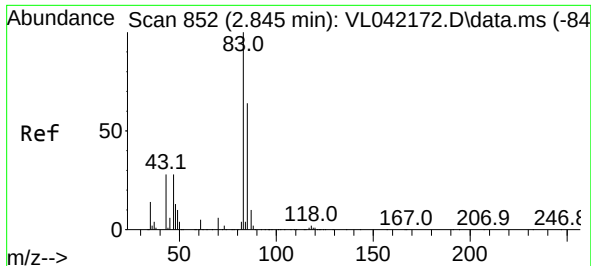


#28
Methyl tert-Butyl Ether
Concen: 7.172 ppbv
RT: 2.460 min Scan# 733
Delta R.T. 0.022 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54



Tgt Ion: 73 Resp: 107667
Ion Ratio Lower Upper
73 100
57 23.7 20.5 30.7





#29

Chloroform

Concen: 8.763 ppbv

RT: 2.874 min Scan# 80

Delta R.T. 0.029 min

Lab File: VL042328.D

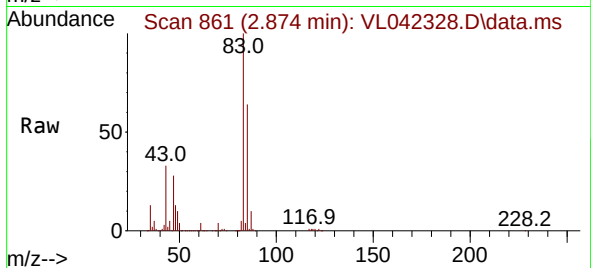
Acq: 15 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL0415ABS01



Tgt Ion: 83 Resp: 30926

Ion Ratio Lower Upper

83 100

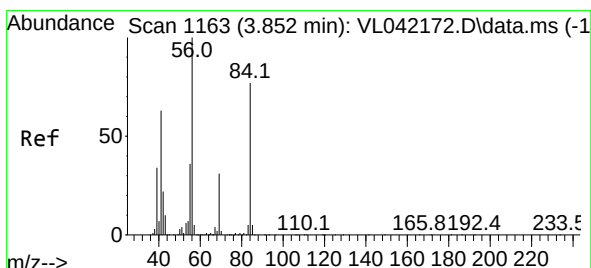
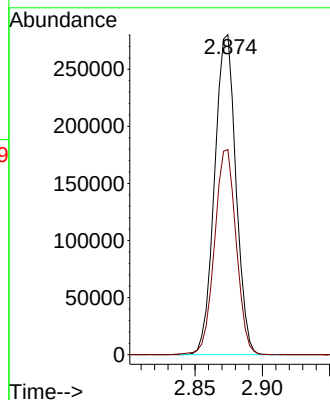
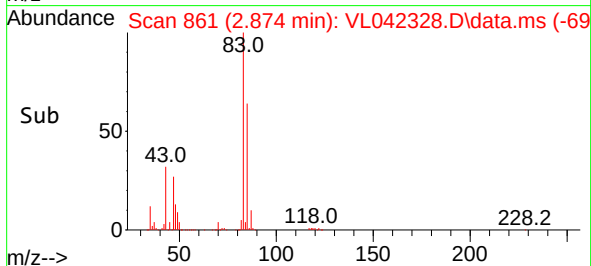
85 64.1 51.4 77.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025

Supervised By :Mahesh Dadoda 04/16/2025



#30

Cyclohexane

Concen: 7.924 ppbv

RT: 3.891 min Scan# 1175

Delta R.T. 0.039 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

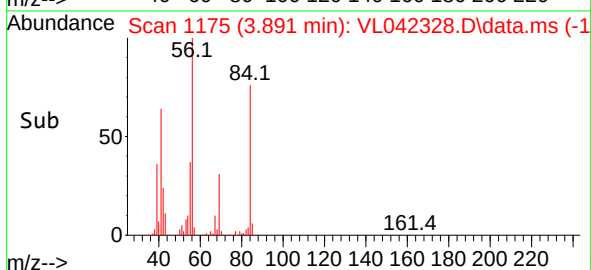
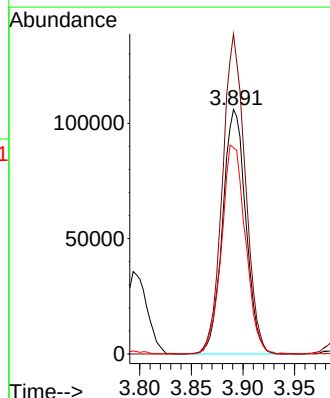
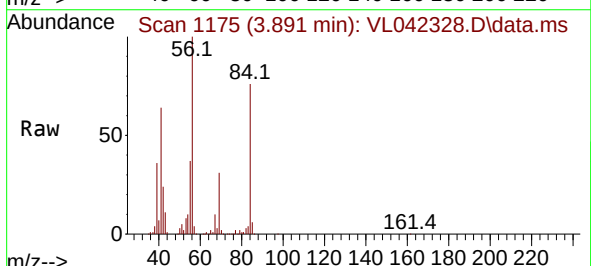
Tgt Ion: 84 Resp: 165914

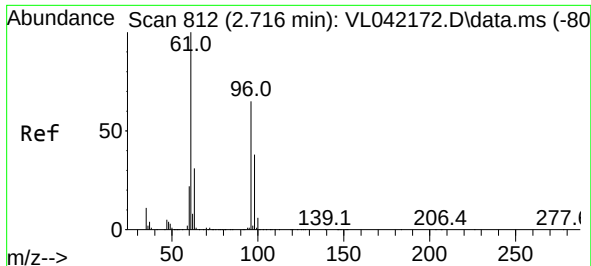
Ion Ratio Lower Upper

84 100

56 127.7 102.8 154.2

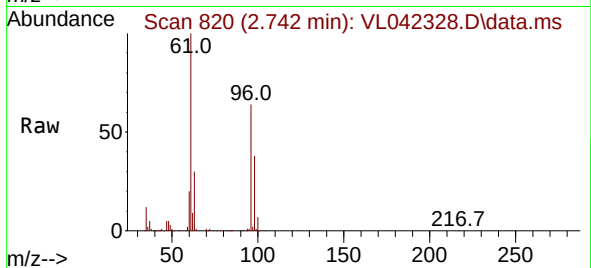
41 87.6 66.5 99.7





#31
 cis-1,2-Dichloroethene
 Concen: 8.074 ppbv
 RT: 2.742 min Scan# 81
 Delta R.T. 0.026 min
 Lab File: VL042328.D
 Acq: 15 Apr 2025 12:54

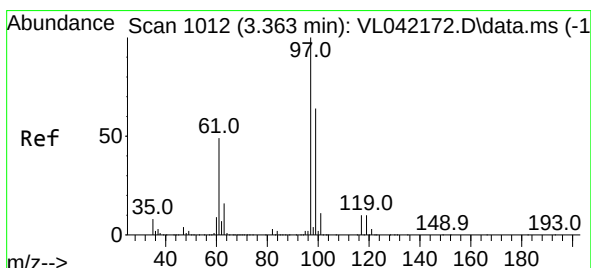
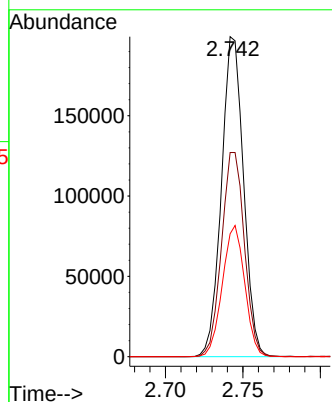
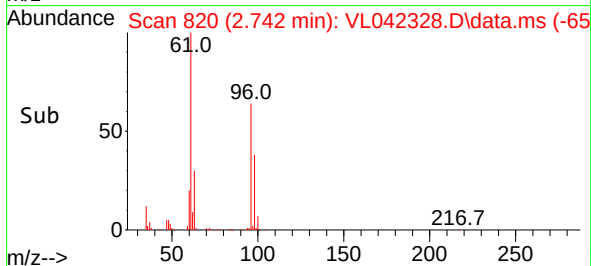
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0415ABS01



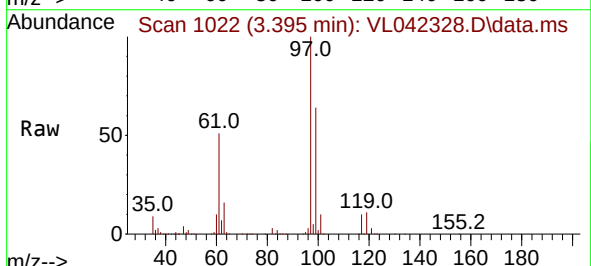
Tgt Ion: 61 Resp: 19765
 Ion Ratio Lower Upper
 61 100
 96 63.8 51.8 77.8
 98 38.4 30.6 46.0

Manual Integrations
 APPROVED

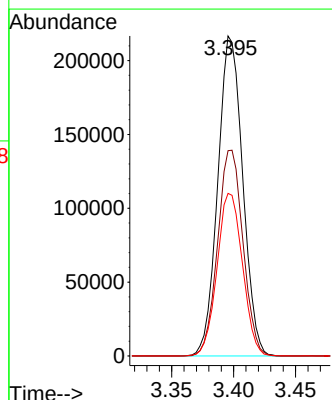
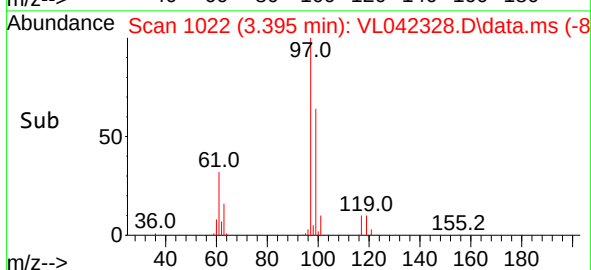
Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025

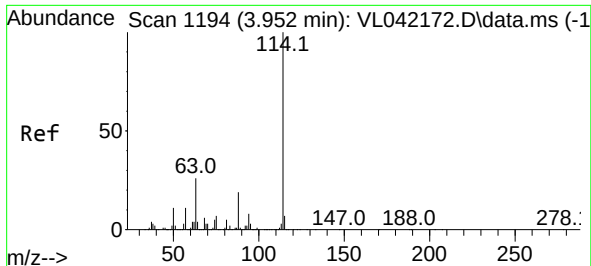


#32
 1,1,1-Trichloroethane
 Concen: 7.528 ppbv
 RT: 3.395 min Scan# 1022
 Delta R.T. 0.032 min
 Lab File: VL042328.D
 Acq: 15 Apr 2025 12:54



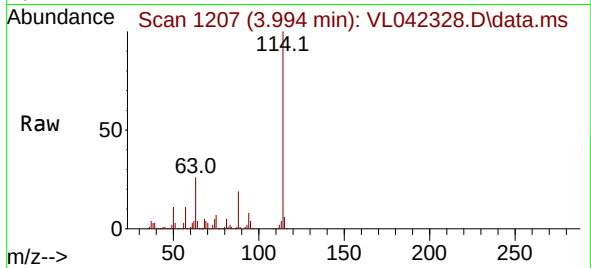
Tgt Ion: 97 Resp: 304143
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.5 77.3
 61 51.8 38.7 58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.994 min Scan# 1194
Delta R.T. 0.042 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

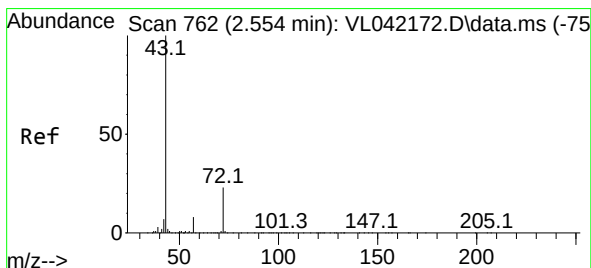
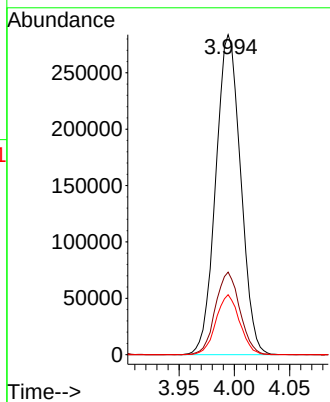
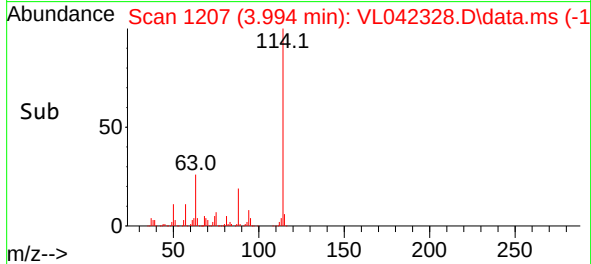
Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01



Tgt Ion:114 Resp: 44459
Ion Ratio Lower Upper
114 100
63 25.4 20.7 31.1
88 17.8 15.0 22.4

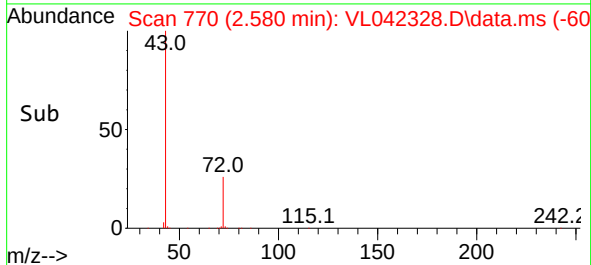
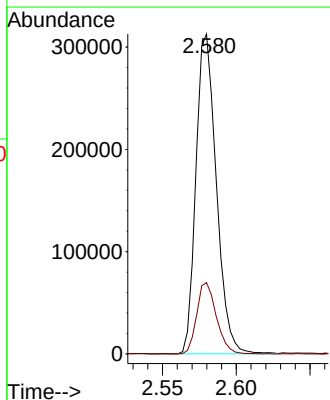
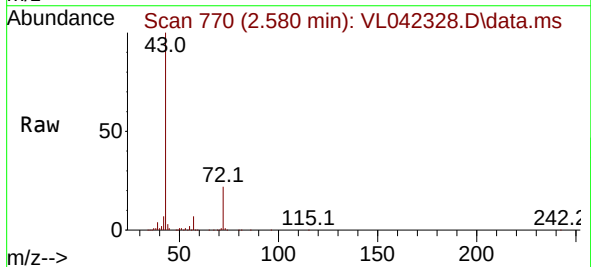
Manual Integrations
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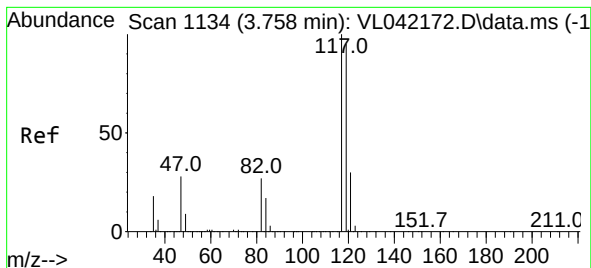
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#34
2-Butanone
Concen: 9.323 ppbv
RT: 2.580 min Scan# 770
Delta R.T. 0.026 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

Tgt Ion: 43 Resp: 300576
Ion Ratio Lower Upper
43 100
72 21.6 18.2 27.2





#35

Carbon Tetrachloride

Concen: 9.065 ppbv

RT: 3.797 min Scan# 1113

Delta R.T. 0.039 min

Lab File: VL042328.D

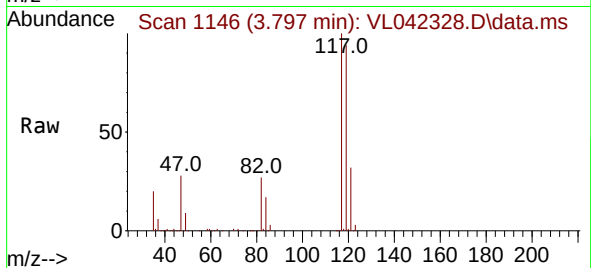
Acq: 15 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL0415ABS01



Tgt Ion: 117 Resp: 314849

Ion Ratio Lower Upper

117 100

119 94.3 76.2 114.2

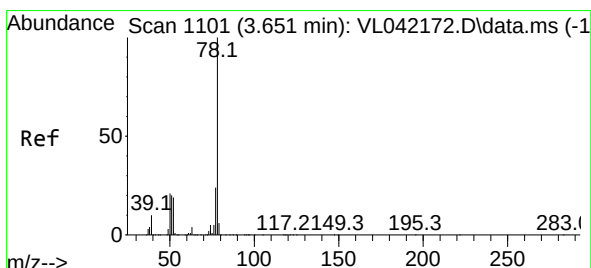
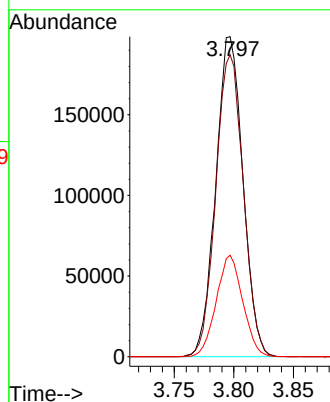
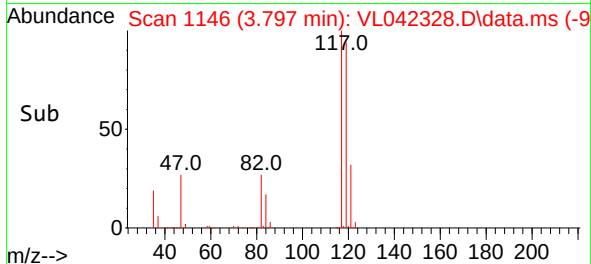
121 31.7 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025

Supervised By :Mahesh Dadoda 04/16/2025



#36

Benzene

Concen: 9.256 ppbv

RT: 3.690 min Scan# 1113

Delta R.T. 0.039 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

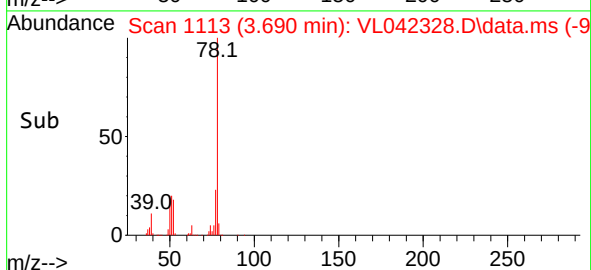
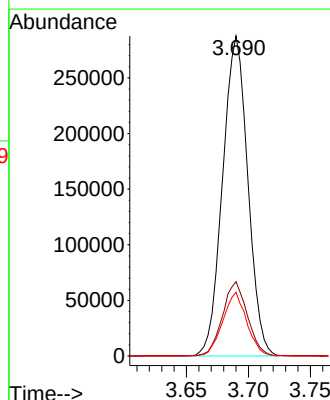
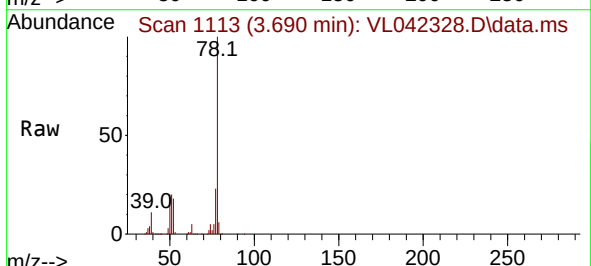
Tgt Ion: 78 Resp: 407959

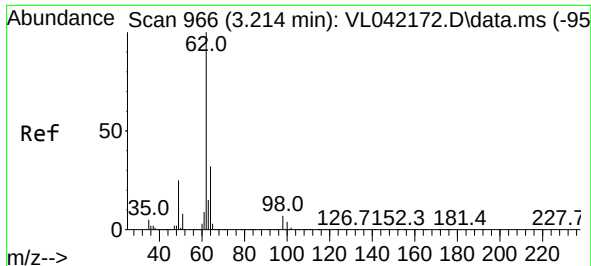
Ion Ratio Lower Upper

78 100

77 23.1 19.1 28.7

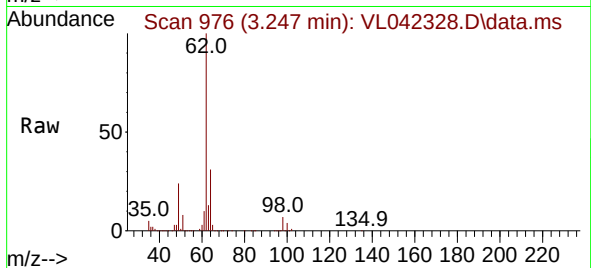
50 19.9 16.6 24.8





#37
1,2-Dichloroethane
Concen: 9.337 ppbv
RT: 3.247 min Scan# 91
Delta R.T. 0.032 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

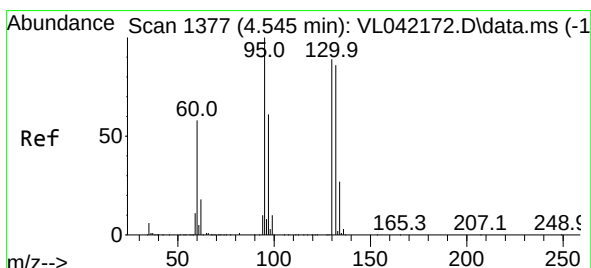
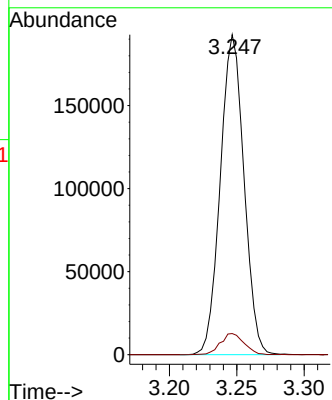
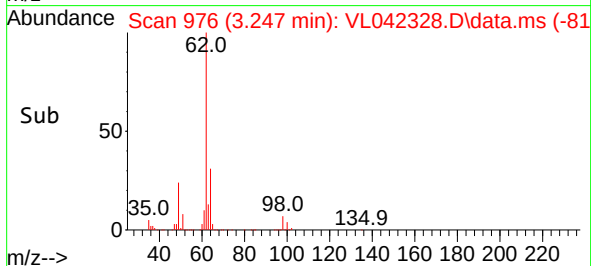
Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01



Tgt Ion: 62 Resp: 235609
Ion Ratio Lower Upper
62 100
98 6.6 5.4 8.2

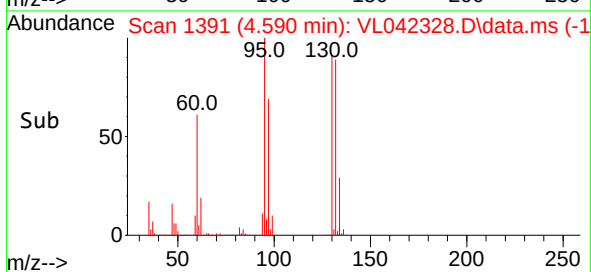
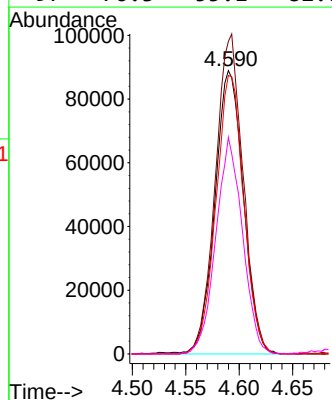
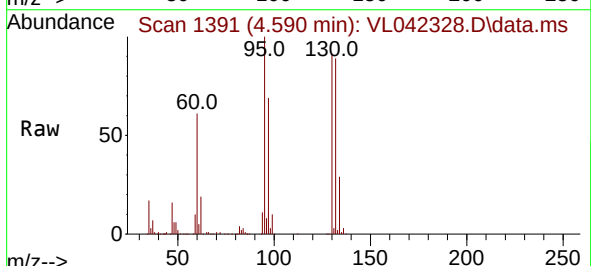
Manual Integrations
APPROVED

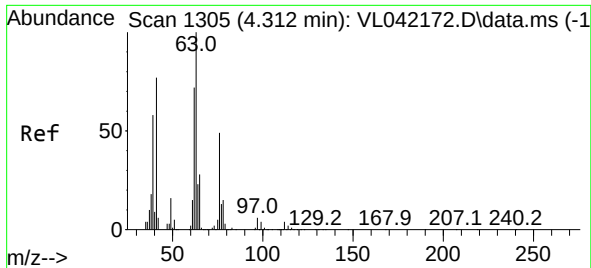
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#38
Trichloroethene
Concen: 8.954 ppbv
RT: 4.590 min Scan# 1391
Delta R.T. 0.045 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

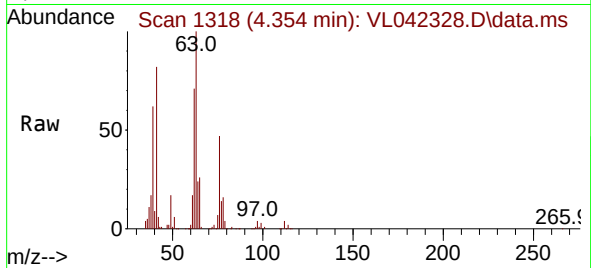
Tgt Ion:130 Resp: 164664
Ion Ratio Lower Upper
130 100
95 110.3 89.8 134.8
132 98.2 77.4 116.2
97 76.3 55.1 82.7





#39
 1,2-Dichloropropane
 Concen: 9.299 ppbv
 RT: 4.354 min Scan# 1402
 Delta R.T. 0.042 min
 Lab File: VL042328.D
 Acq: 15 Apr 2025 12:54

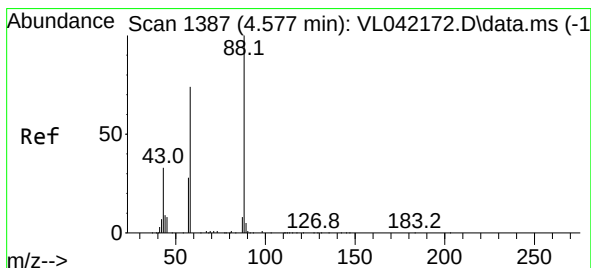
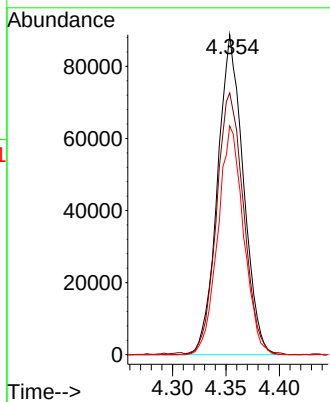
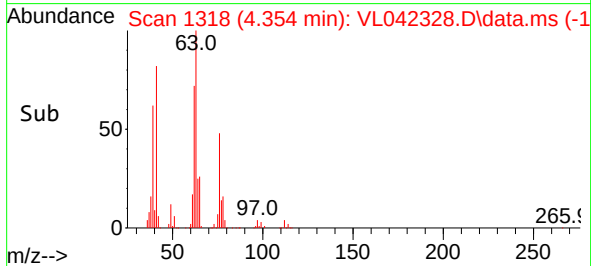
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0415ABS01



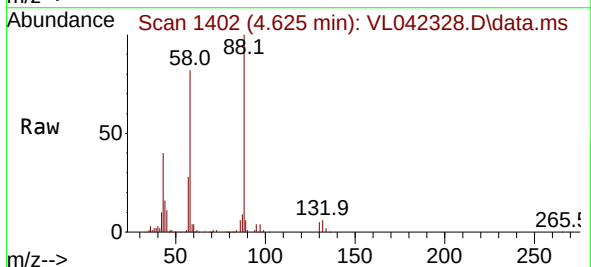
Tgt Ion: 63 Resp: 149260
 Ion Ratio Lower Upper
 63 100
 41 81.2 61.7 92.5
 62 71.5 57.6 86.4

Manual Integrations
 APPROVED

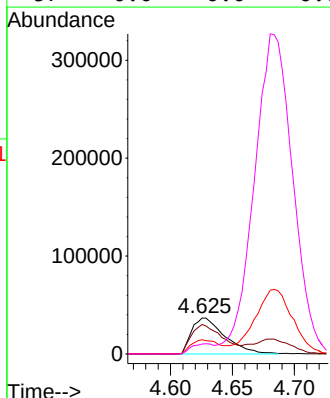
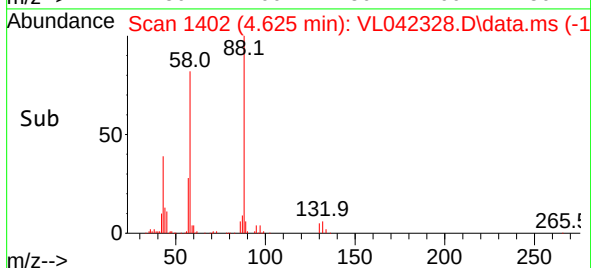
Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025

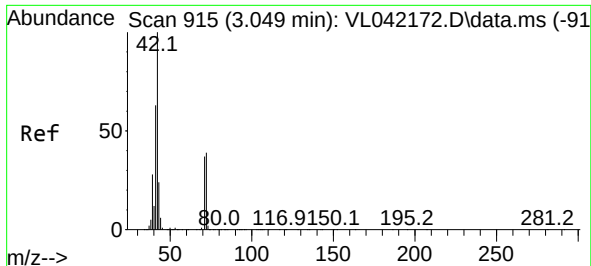


#40
 1,4-Dioxane
 Concen: 8.072 ppbv
 RT: 4.625 min Scan# 1402
 Delta R.T. 0.048 min
 Lab File: VL042328.D
 Acq: 15 Apr 2025 12:54



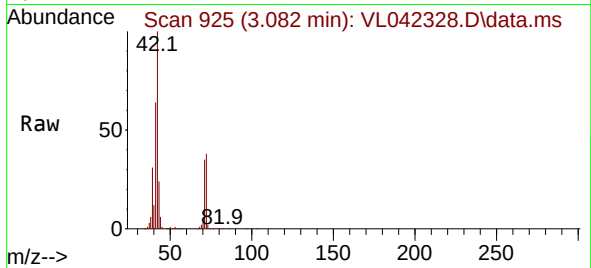
Tgt Ion: 88 Resp: 68773
 Ion Ratio Lower Upper
 88 100
 58 75.9 62.7 94.1
 43 34.0 23.0 34.4
 57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 9.361 ppbv
RT: 3.082 min Scan# 915
Delta R.T. 0.032 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

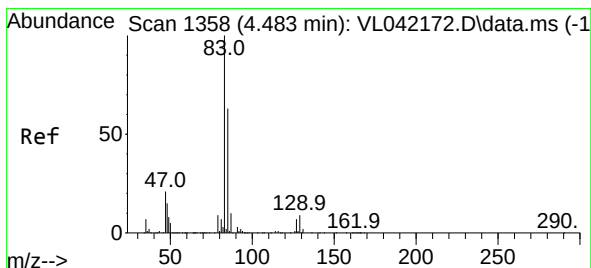
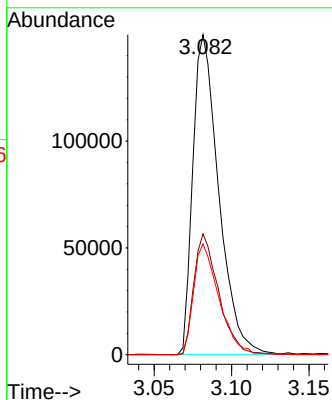
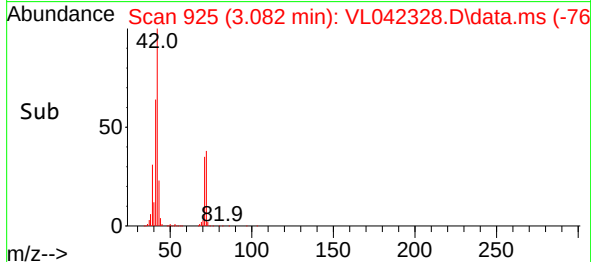
Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01



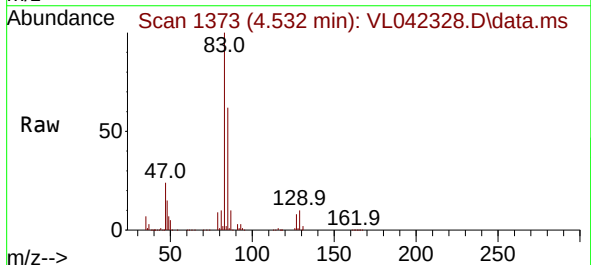
Tgt Ion: 42 Resp: 173770
Ion Ratio Lower Upper
42 100
72 36.4 31.4 47.0
71 33.9 30.2 45.4

Manual Integrations
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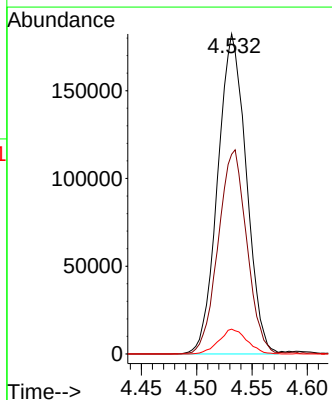
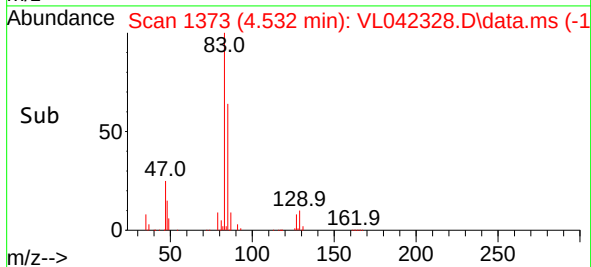
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

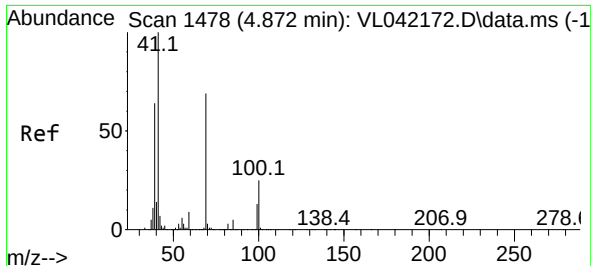


#42
Bromodichloromethane
Concen: 9.414 ppbv
RT: 4.532 min Scan# 1373
Delta R.T. 0.048 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54



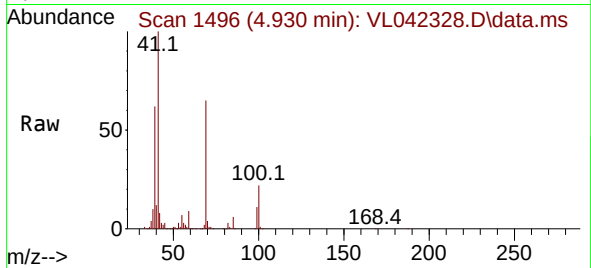
Tgt Ion: 83 Resp: 327497
Ion Ratio Lower Upper
83 100
85 62.4 50.5 75.7
127 7.7 5.9 8.9





#43
Methyl Methacrylate
Concen: 8.121 ppbv
RT: 4.930 min Scan# 1419
Delta R.T. 0.058 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

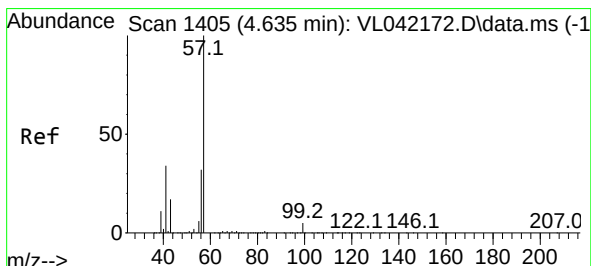
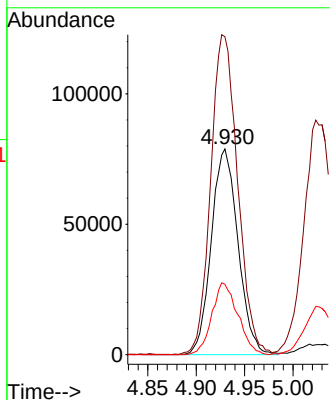
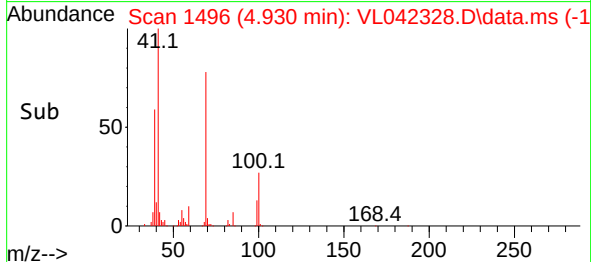
Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01



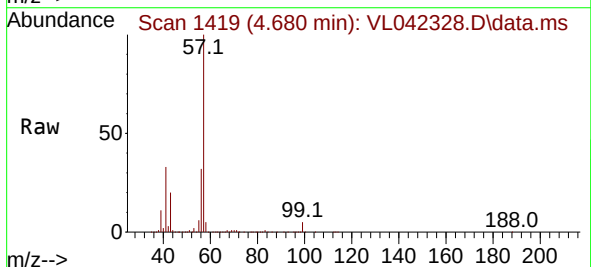
Tgt Ion: 69 Resp: 15153
Ion Ratio Lower Upper
69 100
41 156.5 123.8 185.6
100 33.9 28.4 42.6

Manual Integrations
APPROVED

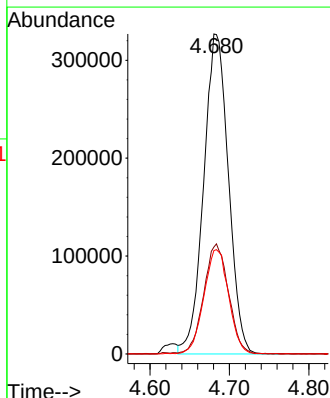
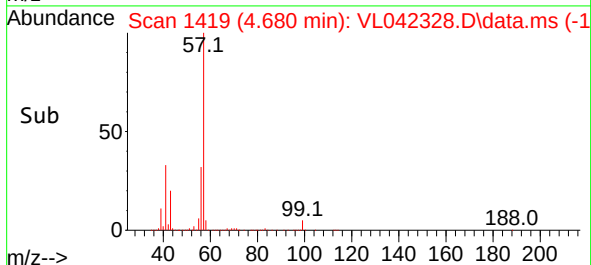
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

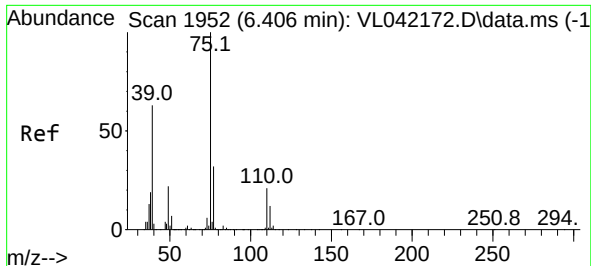


#44
2,2,4-Trimethylpentane
Concen: 9.503 ppbv
RT: 4.680 min Scan# 1419
Delta R.T. 0.045 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54



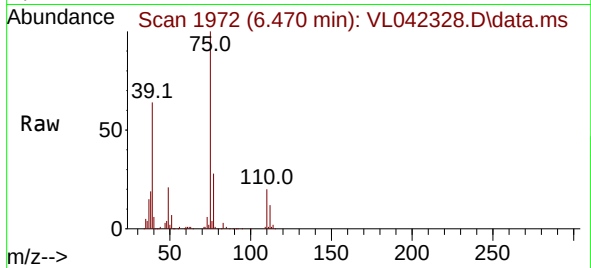
Tgt Ion: 57 Resp: 707832
Ion Ratio Lower Upper
57 100
41 34.7 26.8 40.2
56 32.7 25.6 38.4





#45
t-1,3-Dichloropropene
Concen: 7.179 ppbv
RT: 6.470 min Scan# 1952
Delta R.T. 0.065 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

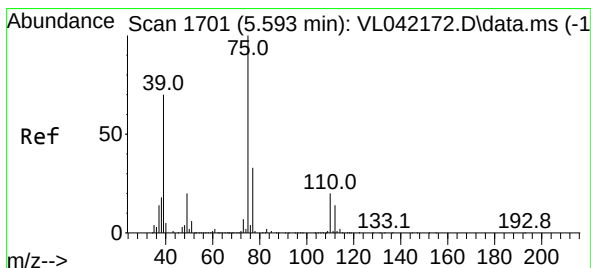
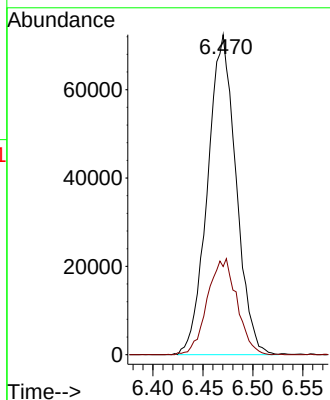
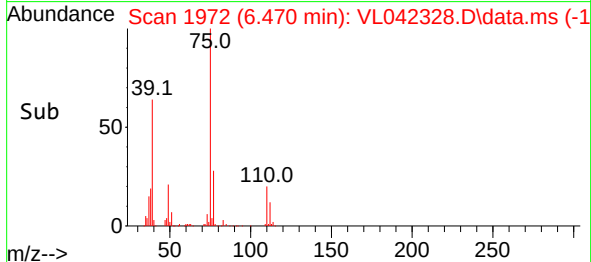
Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01



Tgt Ion: 75 Resp: 143714
Ion Ratio Lower Upper
75 100
77 27.5 26.0 39.0

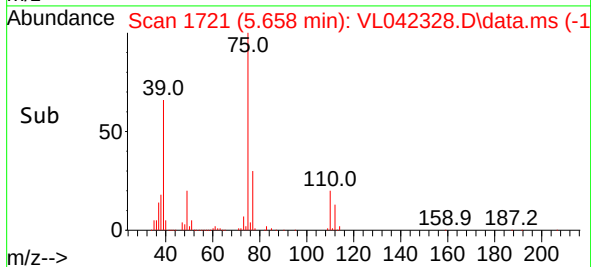
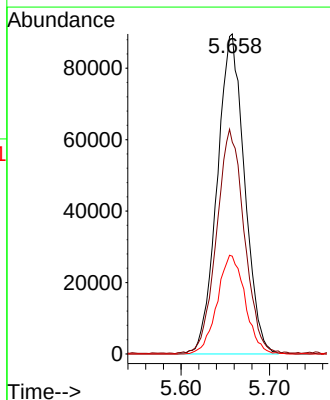
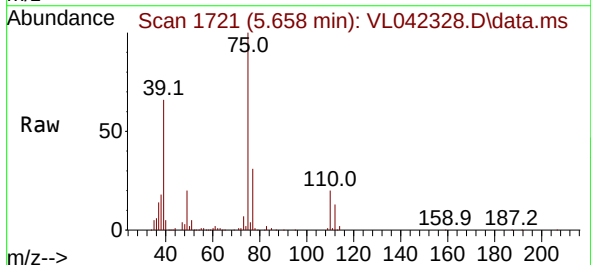
Manual Integrations
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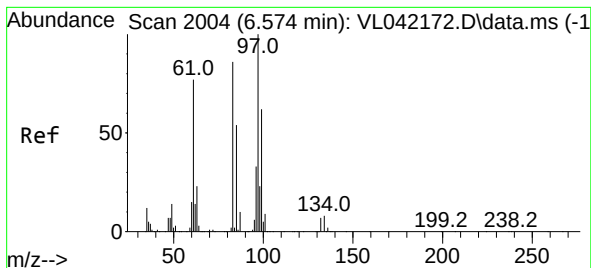
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#46
cis-1,3-Dichloropropene
Concen: 7.841 ppbv
RT: 5.658 min Scan# 1721
Delta R.T. 0.065 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

Tgt Ion: 75 Resp: 192419
Ion Ratio Lower Upper
75 100
39 65.8 55.8 83.6
77 30.6 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 9.621 ppbv

RT: 6.635 min Scan# 2004

Delta R.T. 0.061 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL0415ABS01

Tgt Ion: 97 Resp: 16325

Ion Ratio Lower Upper

97 100

83 85.2 69.2 103.8

85 52.9 43.1 64.7

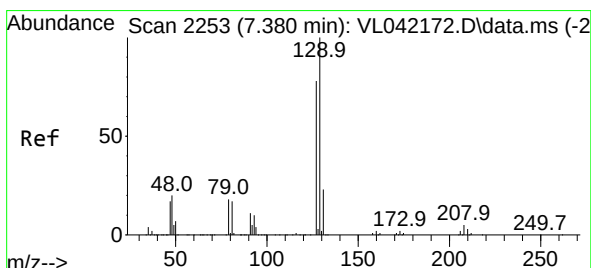
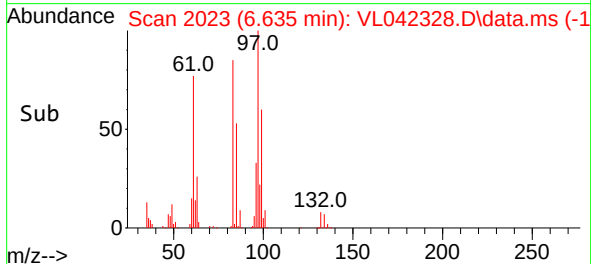
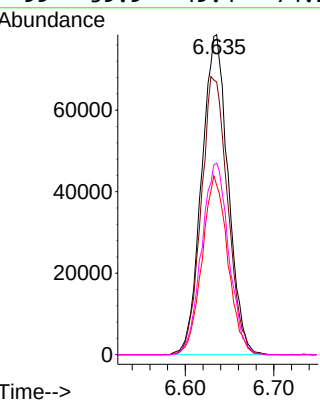
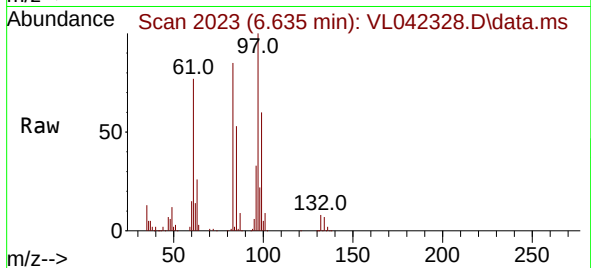
99 59.9 49.4 74.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025

Supervised By :Mahesh Dadoda 04/16/2025



#48

Dibromochloromethane

Concen: 9.256 ppbv

RT: 7.428 min Scan# 2268

Delta R.T. 0.048 min

Lab File: VL042328.D

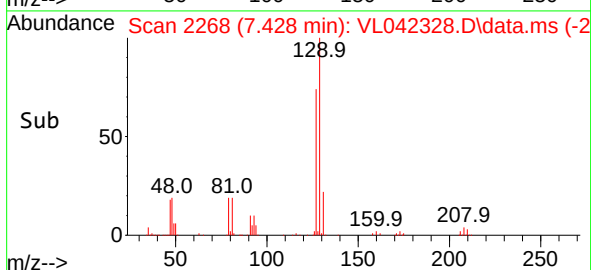
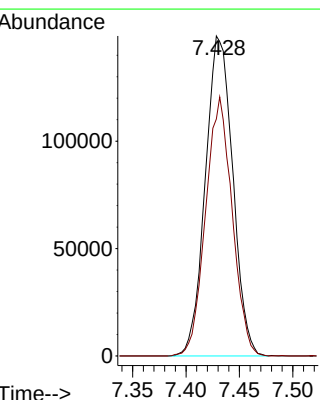
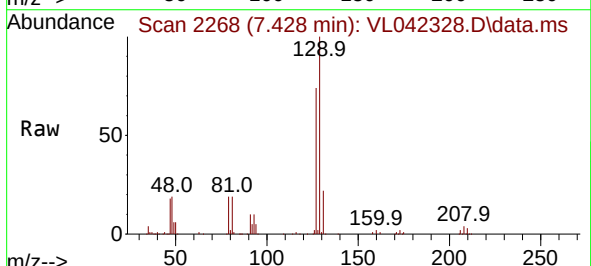
Acq: 15 Apr 2025 12:54

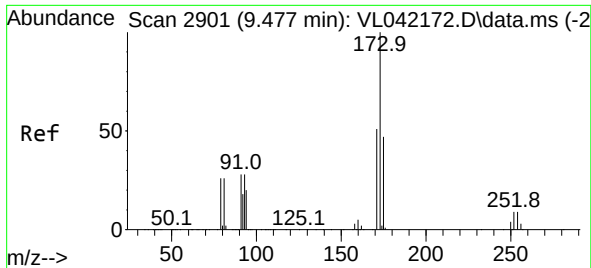
Tgt Ion:129 Resp: 266192

Ion Ratio Lower Upper

129 100

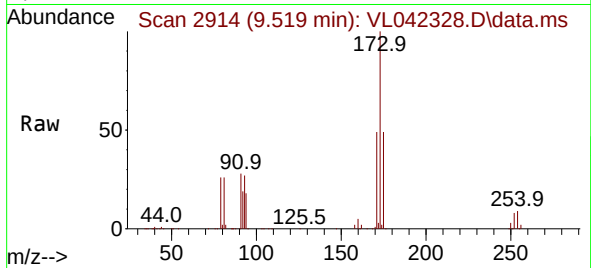
127 78.3 39.1 117.2





#49
Bromoform
Concen: 9.168 ppbv
RT: 9.519 min Scan# 2901
Delta R.T. 0.042 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

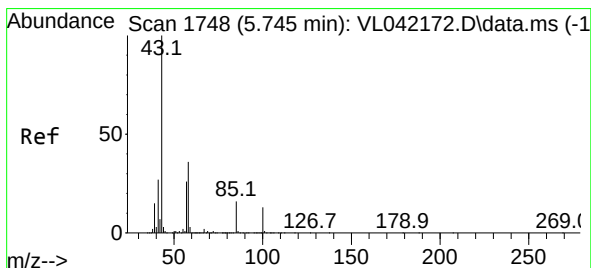
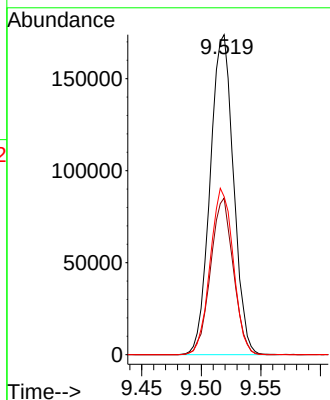
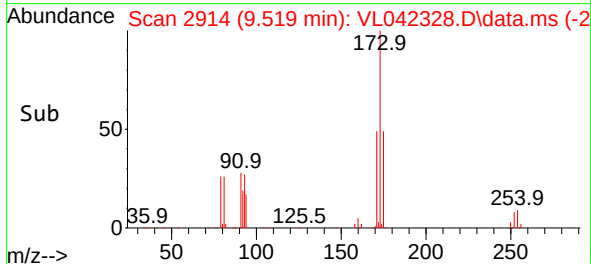
Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01



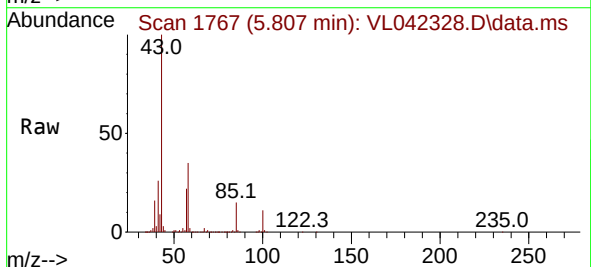
Tgt Ion:173 Resp: 236680
Ion Ratio Lower Upper
173 100
175 47.8 38.6 57.8
171 51.4 41.8 62.6

Manual Integrations
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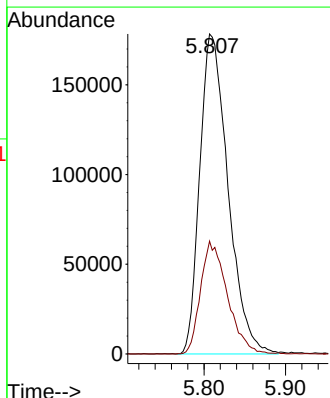
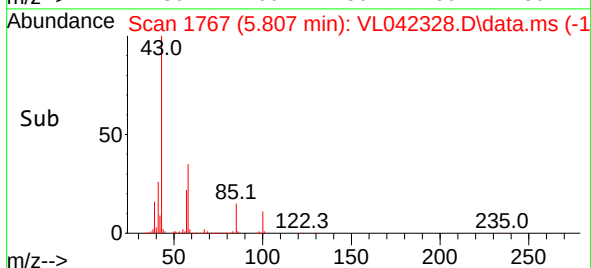
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

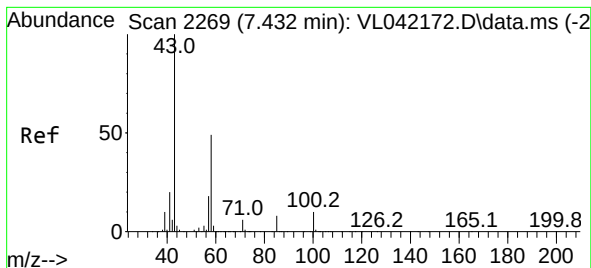


#50
4-Methyl-2-Pentanone
Concen: 8.416 ppbv
RT: 5.807 min Scan# 1767
Delta R.T. 0.061 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54



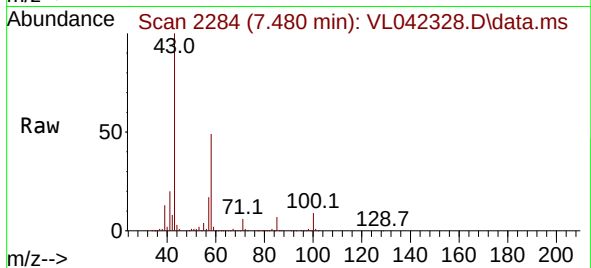
Tgt Ion: 43 Resp: 429988
Ion Ratio Lower Upper
43 100
58 33.5 29.0 43.6





#51
2-Hexanone
Concen: 8.203 ppbv
RT: 7.480 min Scan# 21
Delta R.T. 0.048 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

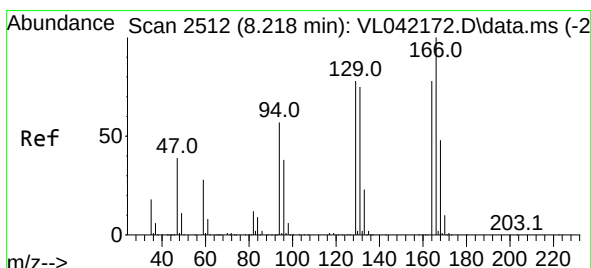
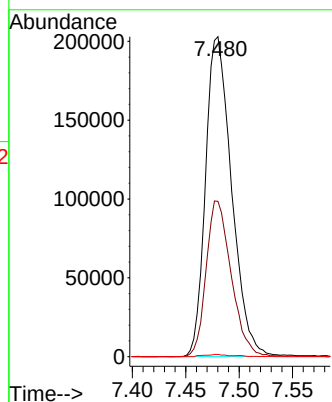
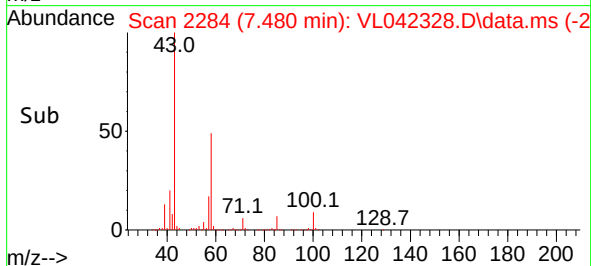
Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01



Tgt Ion: 43 Resp: 344172
Ion Ratio Lower Upper
43 100
58 47.1 39.7 59.5
98 0.8 0.1 0.1

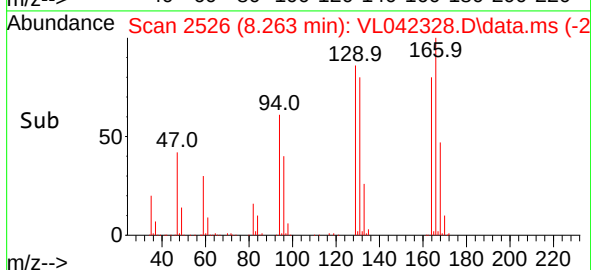
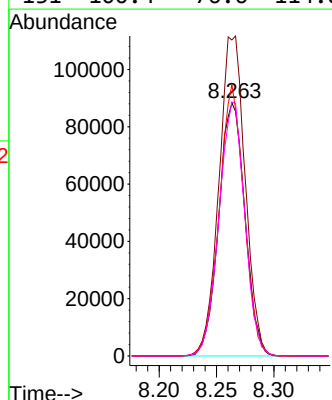
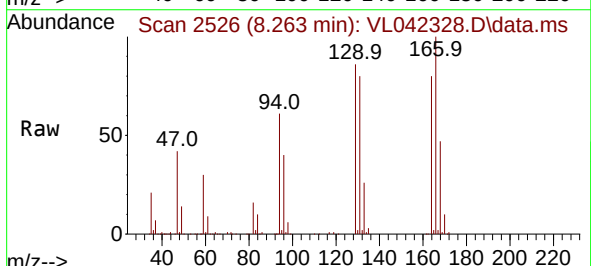
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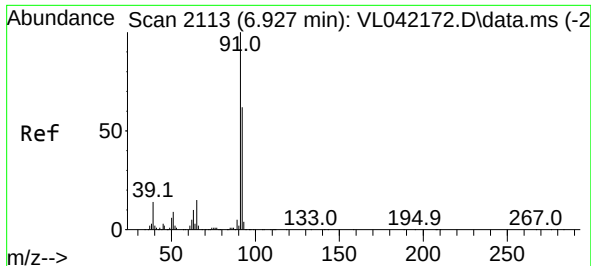
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#52
Tetrachloroethene
Concen: 8.000 ppbv
RT: 8.263 min Scan# 2526
Delta R.T. 0.045 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

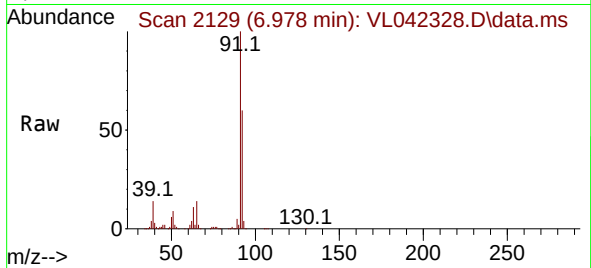
Tgt Ion:164 Resp: 139845
Ion Ratio Lower Upper
164 100
166 124.9 102.5 153.7
129 107.2 79.8 119.8
131 100.4 76.6 114.8





#53
Toluene
Concen: 8.559 ppbv
RT: 6.978 min Scan# 2113
Delta R.T. 0.052 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

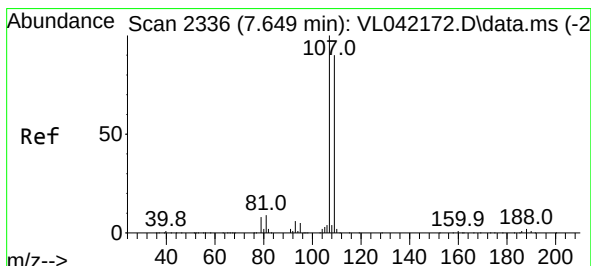
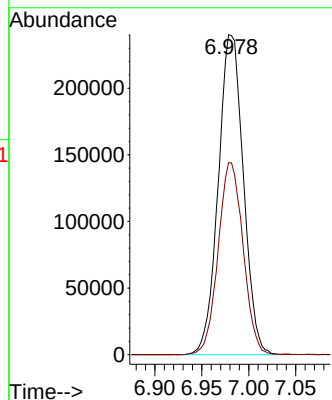
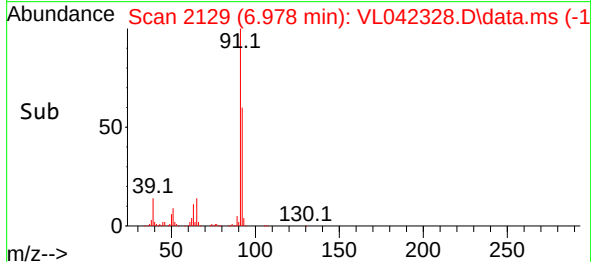
Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01



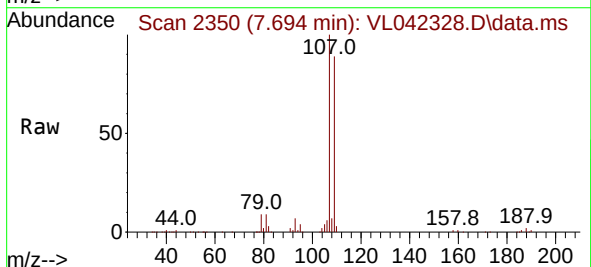
Tgt Ion: 91 Resp: 447178
Ion Ratio Lower Upper
91 100
92 59.6 48.4 72.6

Manual Integrations
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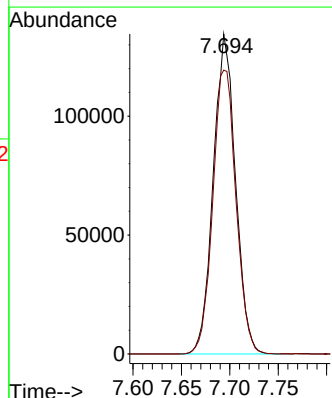
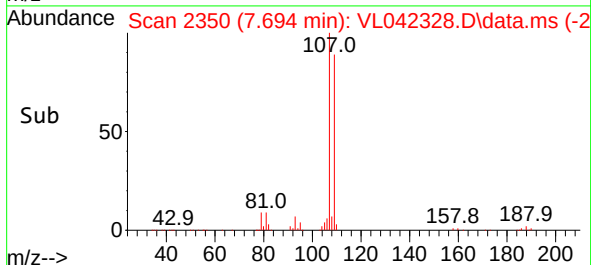
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

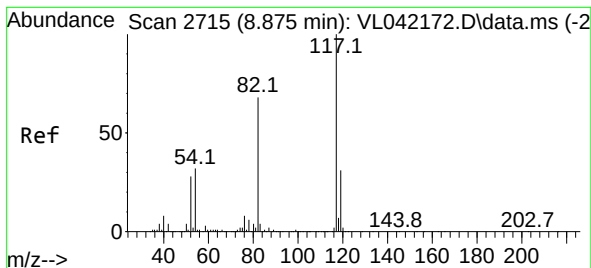


#54
1,2-Dibromoethane
Concen: 9.089 ppbv
RT: 7.694 min Scan# 2350
Delta R.T. 0.045 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54



Tgt Ion:107 Resp: 214982
Ion Ratio Lower Upper
107 100
109 88.7 72.2 108.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.917 min Scan# 21

Delta R.T. 0.042 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

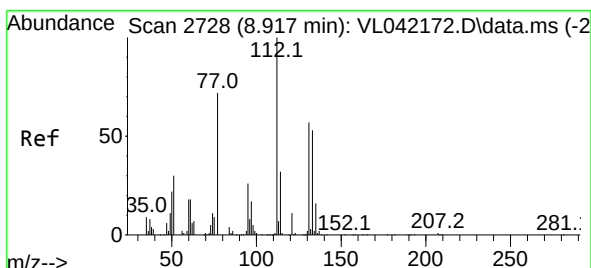
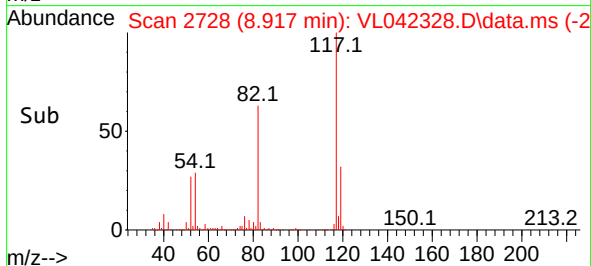
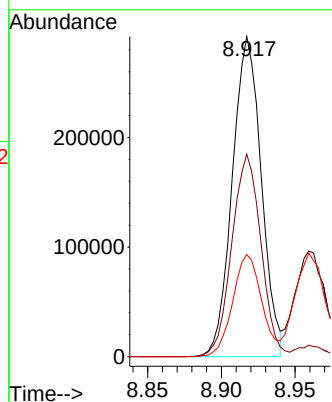
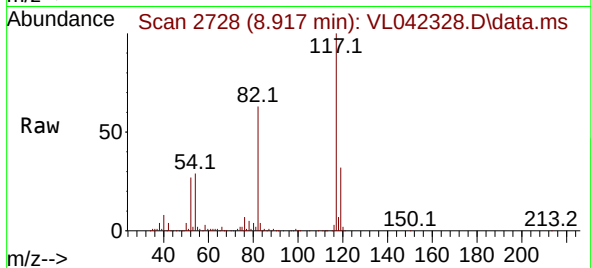
VL0415ABS01

Tgt Ion:	117	Resp:	399604
Ion	Ratio	Lower	Upper
117	100		
82	66.8	55.8	83.6
119	32.4	25.5	38.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 9.855 ppbv

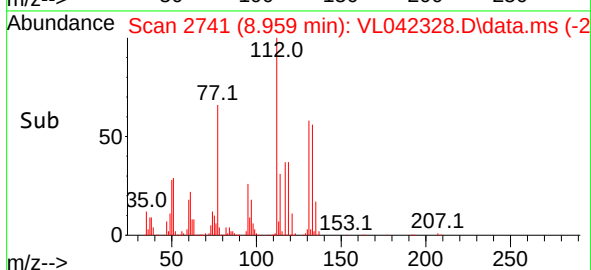
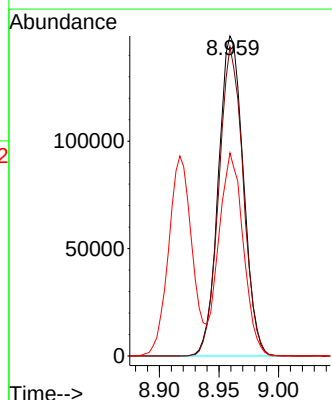
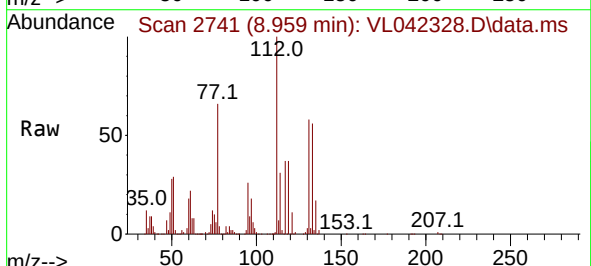
RT: 8.959 min Scan# 2741

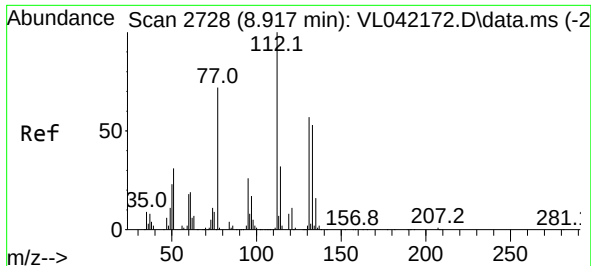
Delta R.T. 0.042 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

Tgt Ion:	131	Resp:	216770
Ion	Ratio	Lower	Upper
131	100		
133	94.3	76.6	114.8
119	59.8	49.8	74.6





#57

Chlorobenzene

Concen: 9.739 ppbv

RT: 8.956 min Scan# 21

Delta R.T. 0.039 min

Lab File: VL042328.D

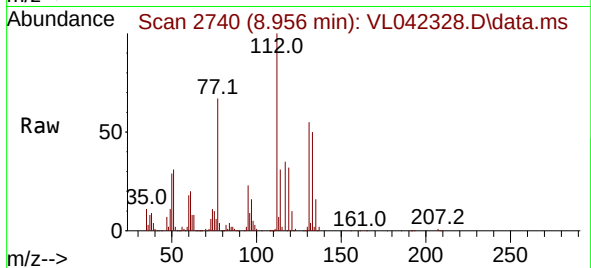
Acq: 15 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL0415ABS01



Tgt Ion: 112 Resp: 36913

Ion Ratio Lower Upper

112 100

77 67.4 58.2 87.2

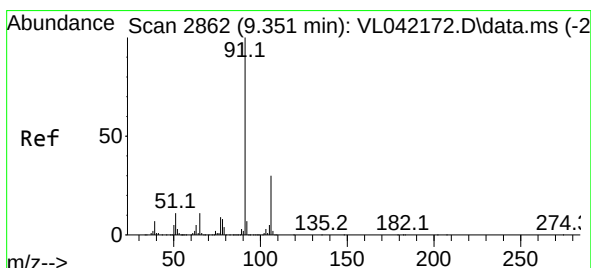
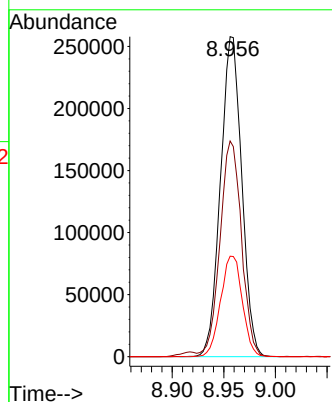
114 31.4 29.1 35.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025

Supervised By :Mahesh Dadoda 04/16/2025



#58

Ethyl Benzene

Concen: 8.716 ppbv

RT: 9.390 min Scan# 2874

Delta R.T. 0.039 min

Lab File: VL042328.D

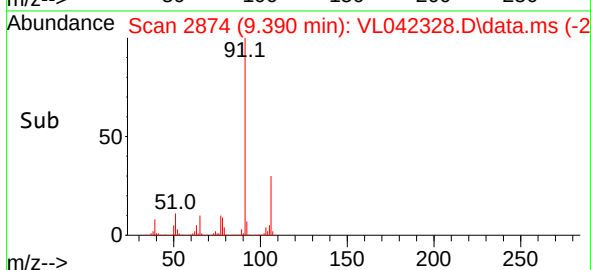
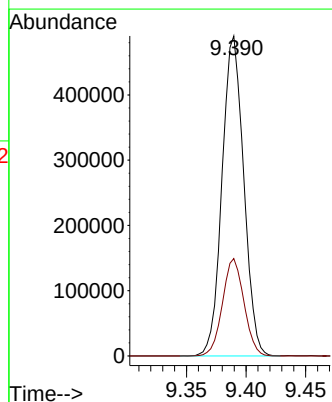
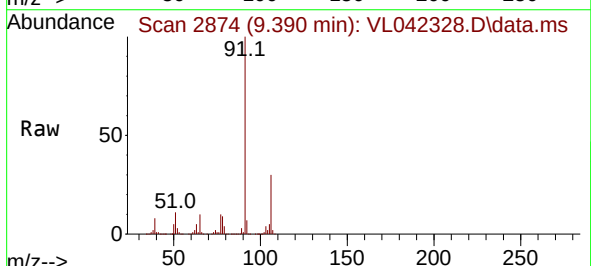
Acq: 15 Apr 2025 12:54

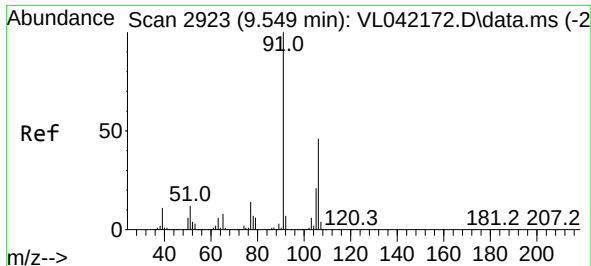
Tgt Ion: 91 Resp: 618669

Ion Ratio Lower Upper

91 100

106 30.4 24.2 36.2





#59

m/p-Xylene

Concen: 18.512 ppbv m

RT: 9.584 min Scan# 2923

Delta R.T. 0.035 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL0415ABS01

Tgt Ion: 91 Resp: 1049238

Ion Ratio Lower Upper

91 100

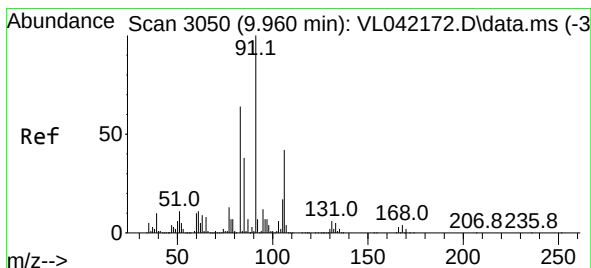
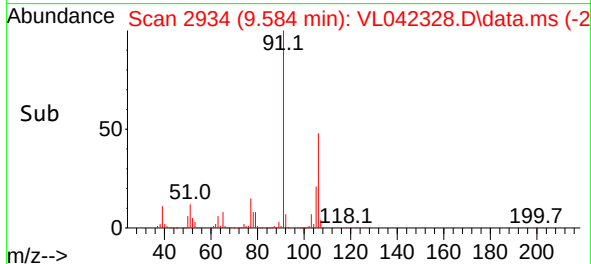
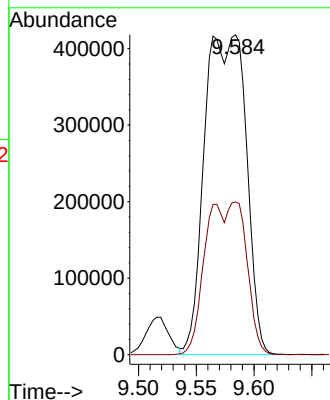
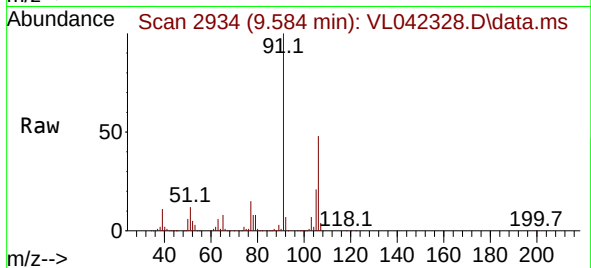
106 47.2 36.4 54.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025

Supervised By :Mahesh Dadoda 04/16/2025



#60

o-Xylene

Concen: 9.107 ppbv

RT: 9.995 min Scan# 3061

Delta R.T. 0.035 min

Lab File: VL042328.D

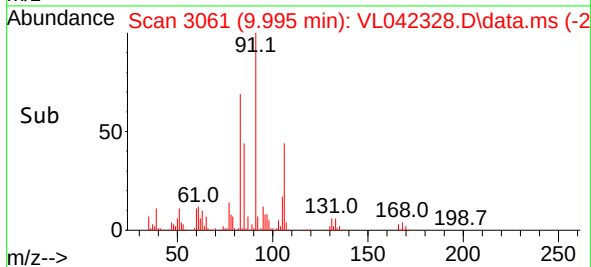
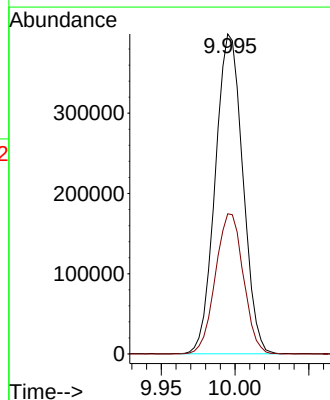
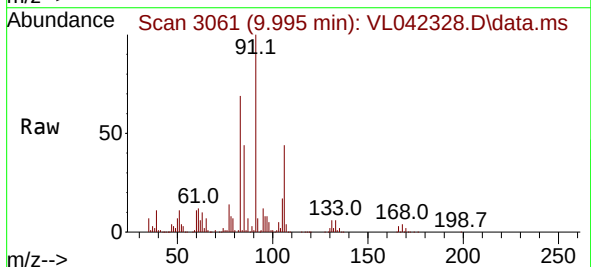
Acq: 15 Apr 2025 12:54

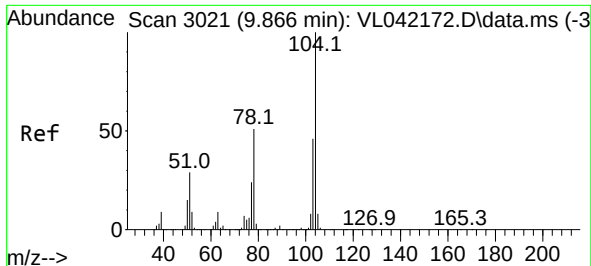
Tgt Ion: 91 Resp: 517471

Ion Ratio Lower Upper

91 100

106 44.5 20.8 62.5





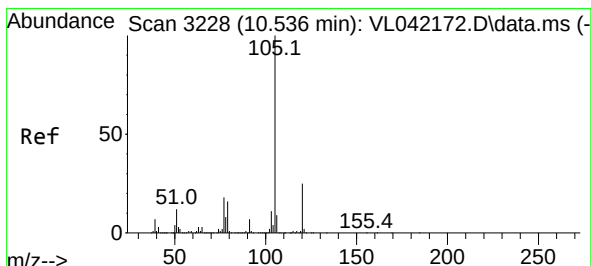
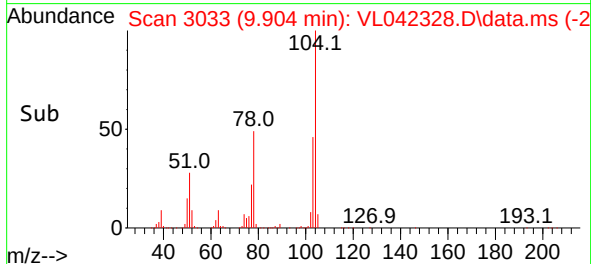
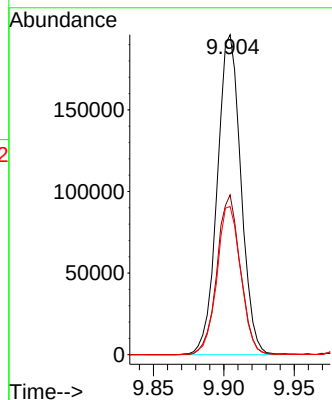
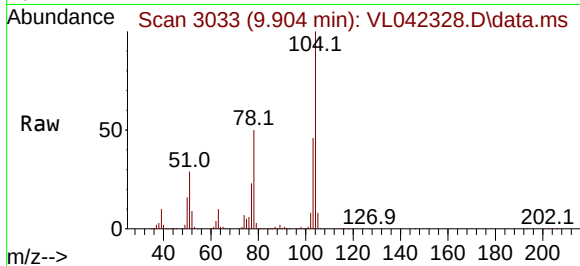
#61
Styrene
Concen: 8.168 ppbv
RT: 9.904 min Scan# 3021
Delta R.T. 0.039 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

Instrument : MSVOA_L
Client Sample Id : VL0415ABS01

Tgt Ion:104 Resp: 22960
Ion Ratio Lower Upper
104 100
78 49.5 41.8 62.6
103 47.0 37.0 55.4

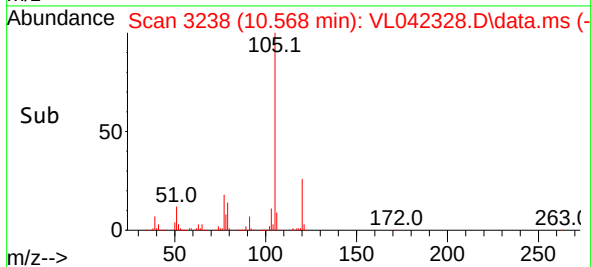
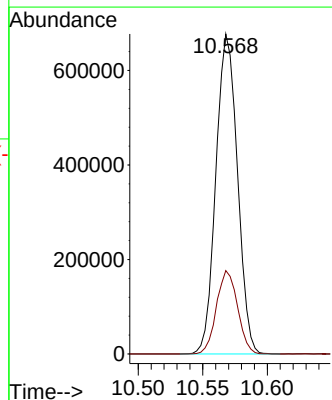
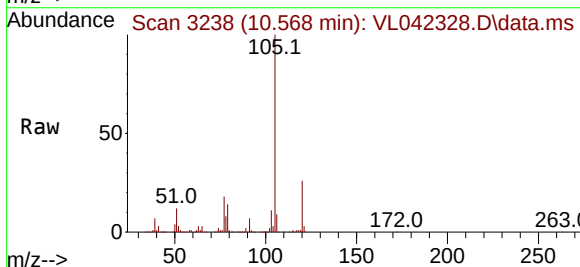
Manual Integrations
APPROVED

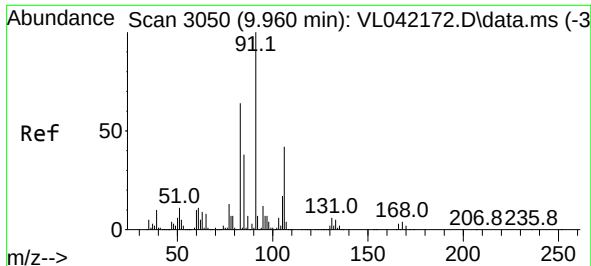
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#62
Isopropylbenzene
Concen: 9.247 ppbv
RT: 10.568 min Scan# 3238
Delta R.T. 0.032 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

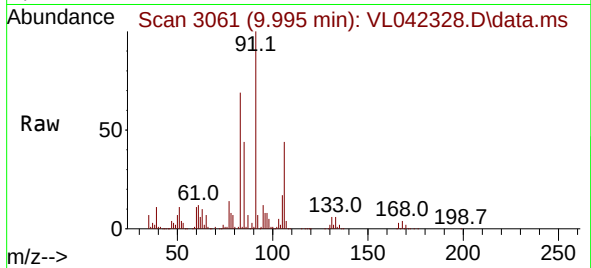
Tgt Ion:105 Resp: 785673
Ion Ratio Lower Upper
105 100
120 25.5 19.9 29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 10.176 ppbv
RT: 9.995 min Scan# 3050
Delta R.T. 0.035 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

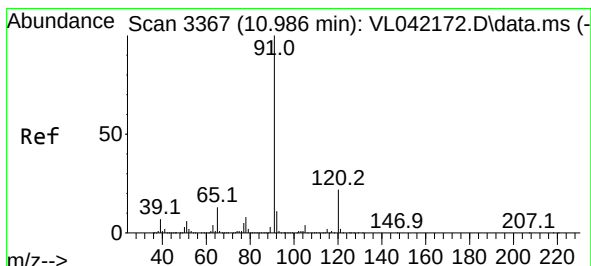
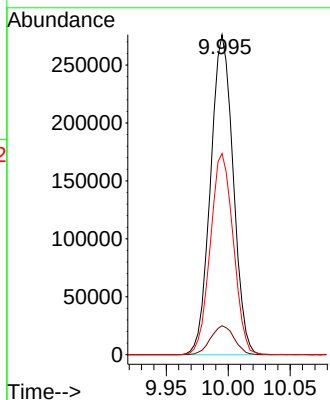
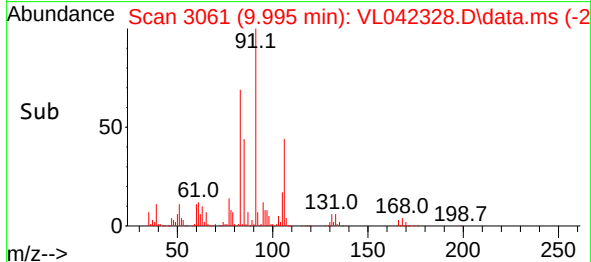
Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01



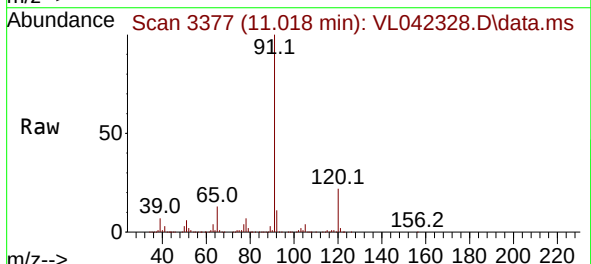
Tgt Ion: 83 Resp: 351308
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.4
85 63.9 32.5 97.5

Manual Integrations
APPROVED

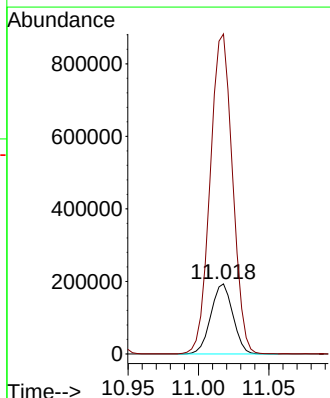
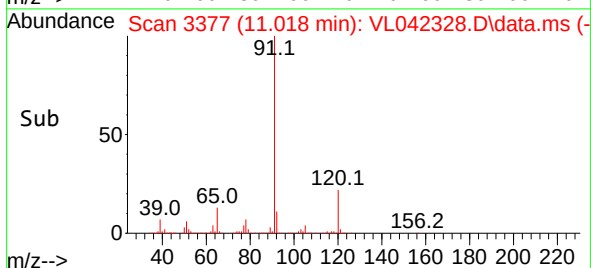
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

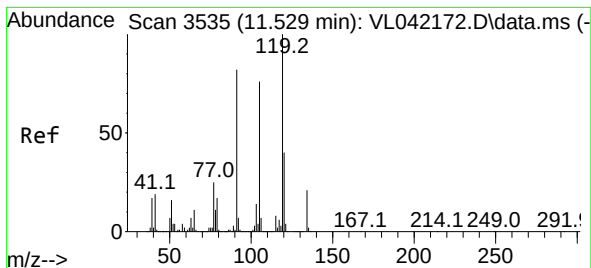


#64
n-propylbenzene
Concen: 9.615 ppbv
RT: 11.018 min Scan# 3377
Delta R.T. 0.032 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54



Tgt Ion:120 Resp: 210294
Ion Ratio Lower Upper
120 100
91 465.9 376.9 565.3





#65

tert-Butylbenzene

Concen: 9.149 ppbv

RT: 11.558 min Scan# 3544

Delta R.T. 0.029 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL0415ABS01

Tgt Ion: 119 Resp: 71894

Ion Ratio Lower Upper

119 100

91 79.8 66.0 99.0

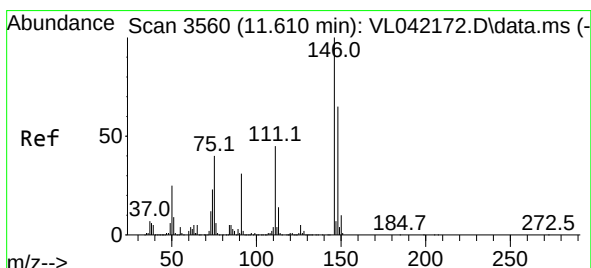
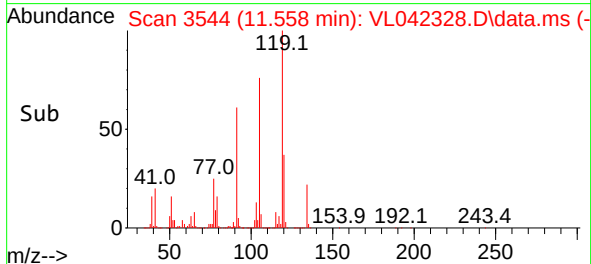
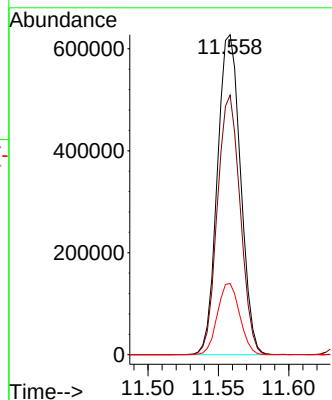
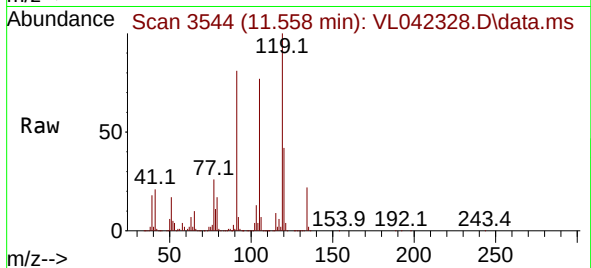
134 21.4 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025

Supervised By :Mahesh Dadoda 04/16/2025



#66

Benzyl Chloride

Concen: 6.614 ppbv

RT: 11.642 min Scan# 3570

Delta R.T. 0.032 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

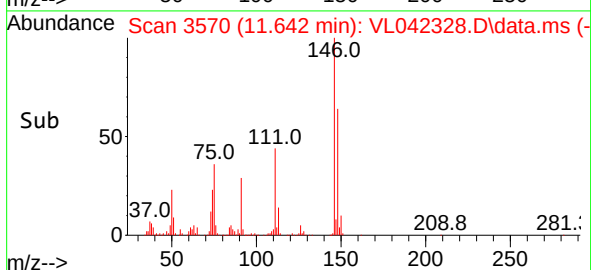
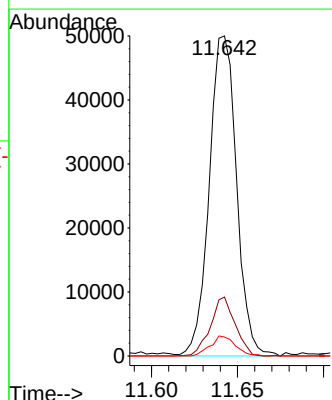
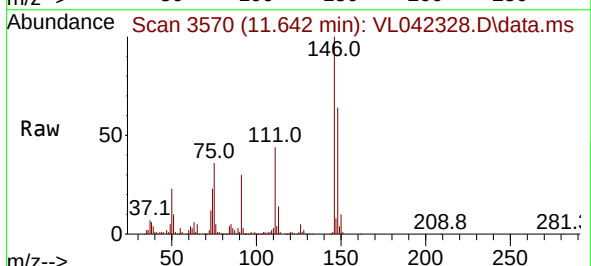
Tgt Ion: 91 Resp: 55150

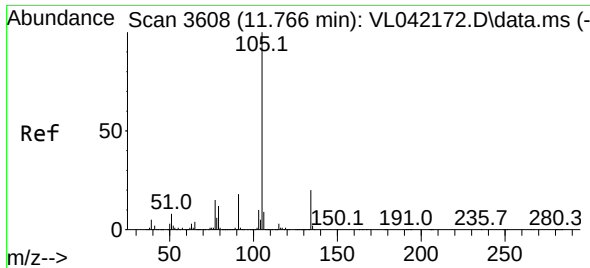
Ion Ratio Lower Upper

91 100

126 16.6 13.8 20.6

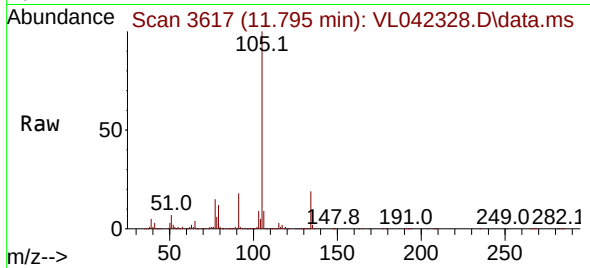
128 5.7 4.5 6.7





#67
 sec-Butylbenzene
 Concen: 9.328 ppbv
 RT: 11.795 min Scan# 30
 Delta R.T. 0.029 min
 Lab File: VL042328.D
 Acq: 15 Apr 2025 12:54

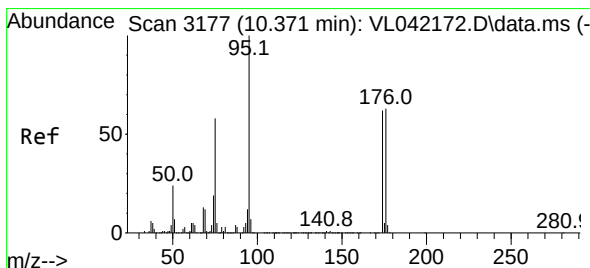
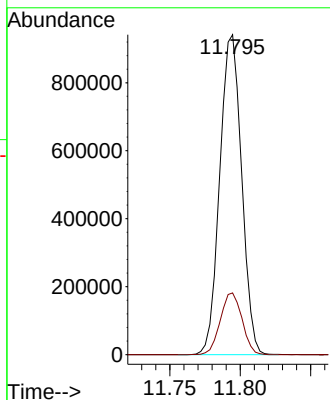
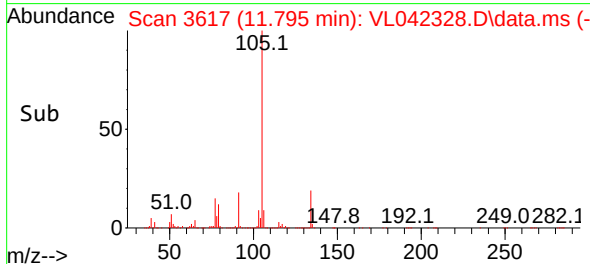
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0415ABS01



Tgt Ion:105 Resp: 101886
 Ion Ratio Lower Upper
 105 100
 134 19.2 15.5 23.3

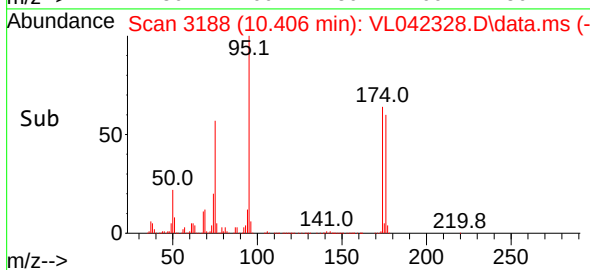
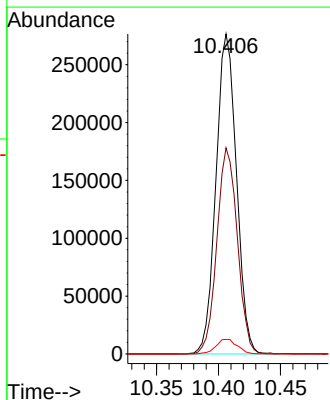
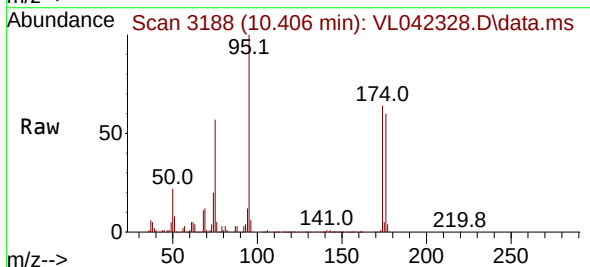
Manual Integrations
 APPROVED

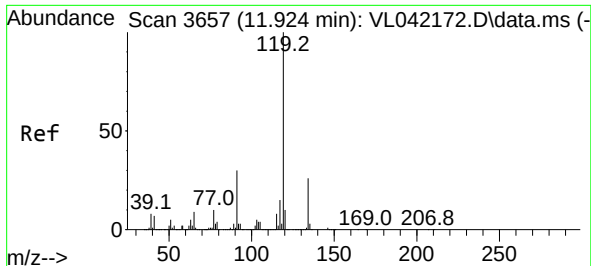
Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.718 ppbv
 RT: 10.406 min Scan# 3188
 Delta R.T. 0.035 min
 Lab File: VL042328.D
 Acq: 15 Apr 2025 12:54

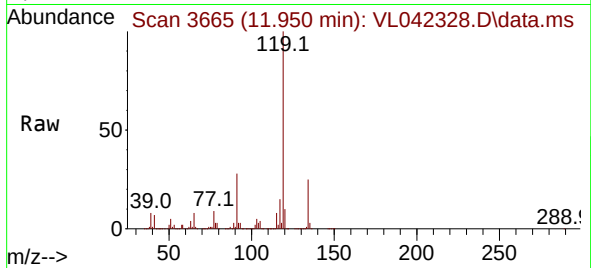
Tgt Ion: 95 Resp: 318902
 Ion Ratio Lower Upper
 95 100
 174 64.4 50.6 76.0
 175 4.8 3.8 5.6





#69
p-Isopropyltoluene
Concen: 9.179 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.026 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

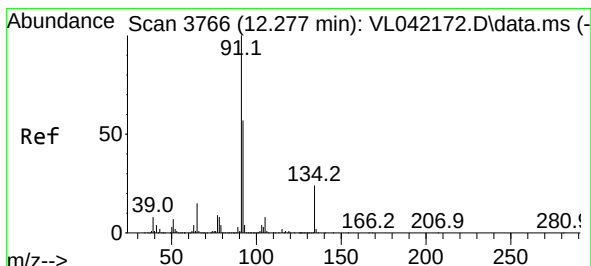
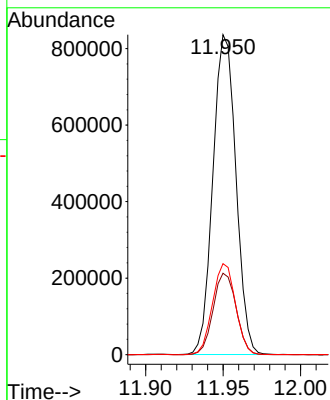
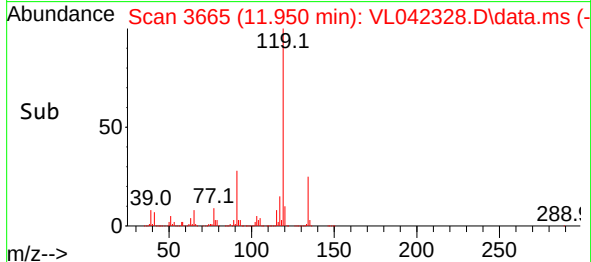
Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01



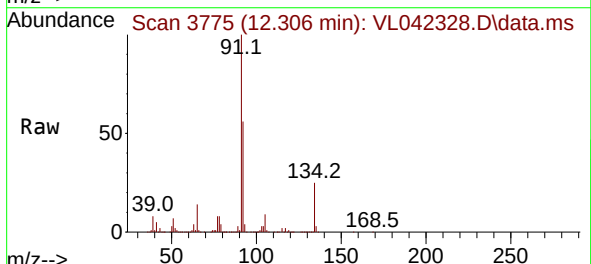
Tgt Ion:119 Resp: 863264
Ion Ratio Lower Upper
119 100
134 25.6 20.4 30.6
91 28.5 23.7 35.5

Manual Integrations
APPROVED

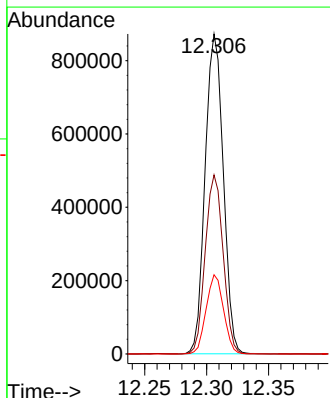
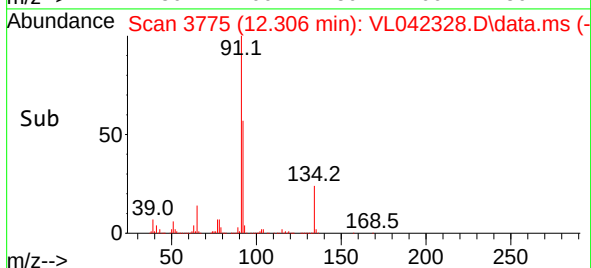
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

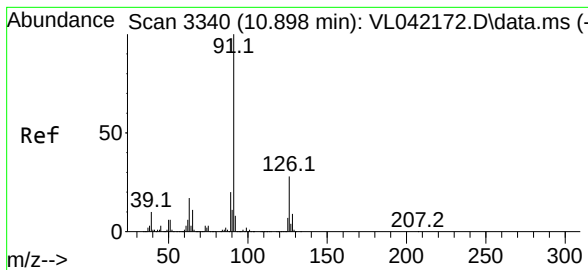


#70
n-Butylbenzene
Concen: 9.273 ppbv
RT: 12.306 min Scan# 3775
Delta R.T. 0.029 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54



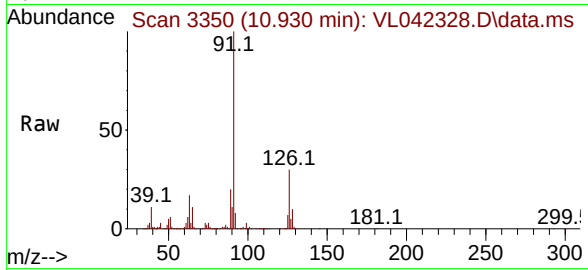
Tgt Ion: 91 Resp: 891883
Ion Ratio Lower Upper
91 100
92 55.3 44.9 67.3
134 23.8 19.2 28.8





#71
2-Chlorotoluene
Concen: 8.953 ppbv
RT: 10.930 min Scan# 3118
Delta R.T. 0.032 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54

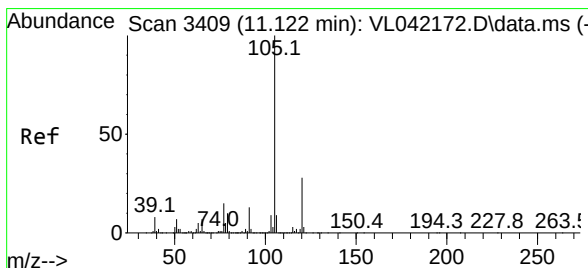
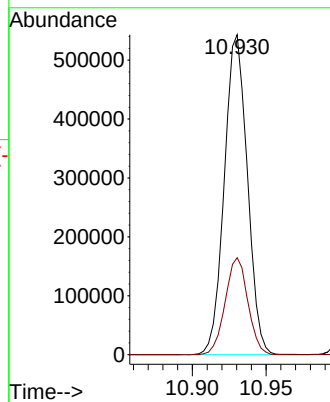
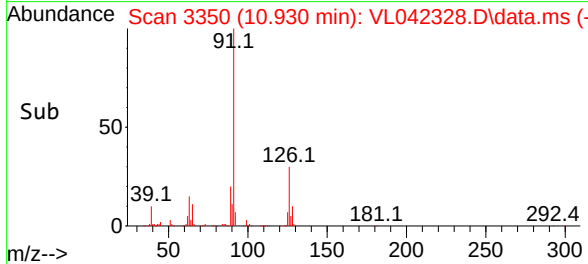
Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01



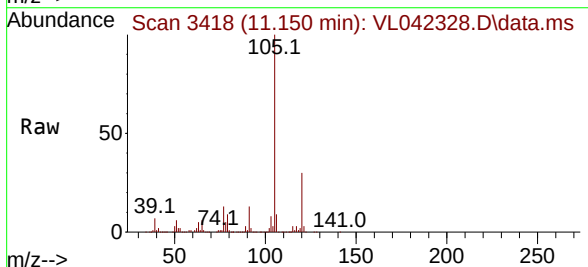
Tgt Ion: 91 Resp: 590408
Ion Ratio Lower Upper
91 100
126 29.8 11.6 46.4

Manual Integrations
APPROVED

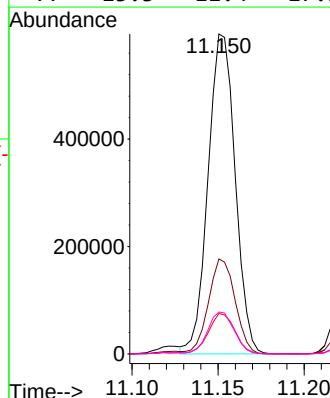
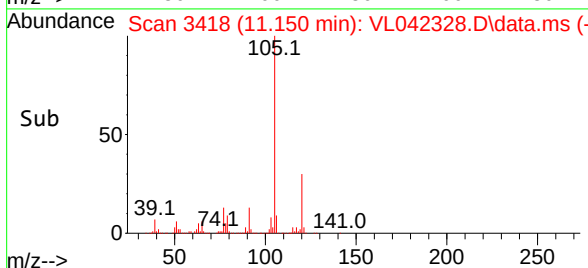
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

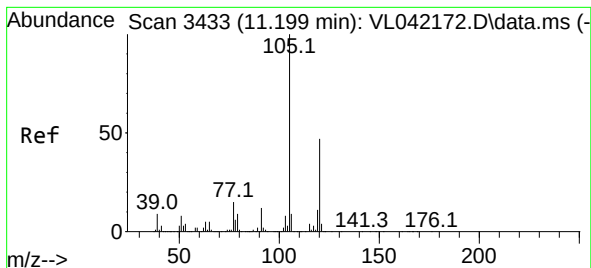


#72
4-Ethyltoluene
Concen: 9.230 ppbv
RT: 11.150 min Scan# 3418
Delta R.T. 0.029 min
Lab File: VL042328.D
Acq: 15 Apr 2025 12:54



Tgt Ion:105 Resp: 652962
Ion Ratio Lower Upper
105 100
120 30.0 23.4 35.0
91 13.0 10.3 15.5
77 13.3 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 9.055 ppbv

RT: 11.231 min Scan# 3443

Delta R.T. 0.032 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL0415ABS01

Tgt Ion:105 Resp: 55945

Ion Ratio Lower Upper

105 100

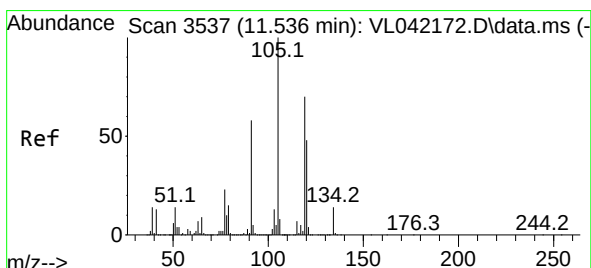
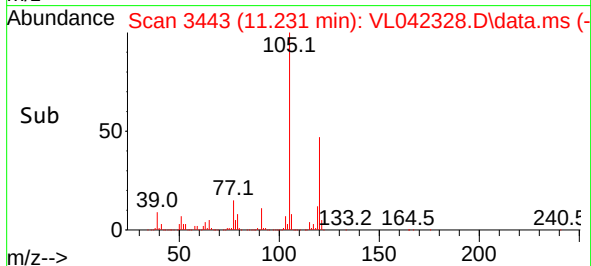
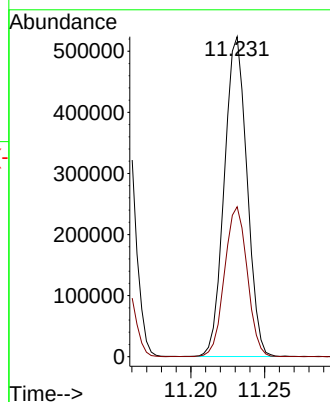
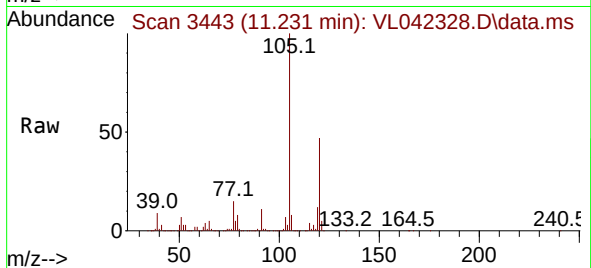
120 46.8 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025

Supervised By :Mahesh Dadoda 04/16/2025



#74

1,2,4-Trimethylbenzene

Concen: 8.883 ppbv

RT: 11.565 min Scan# 3546

Delta R.T. 0.029 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

Tgt Ion:105 Resp: 632271

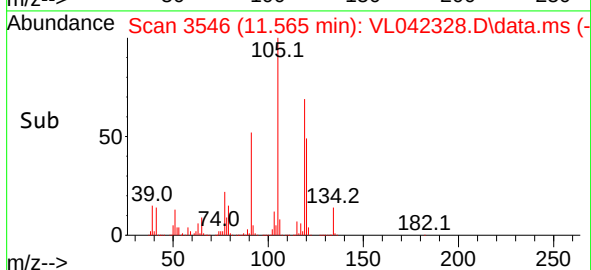
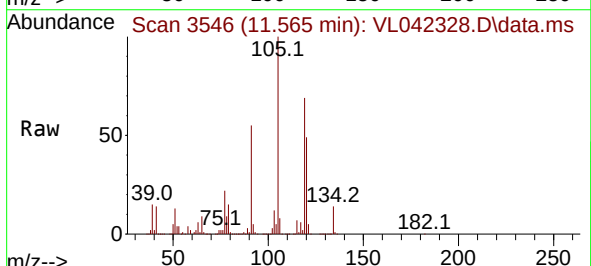
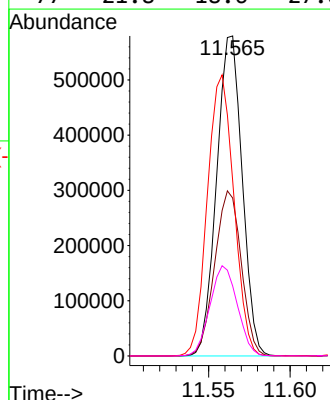
Ion Ratio Lower Upper

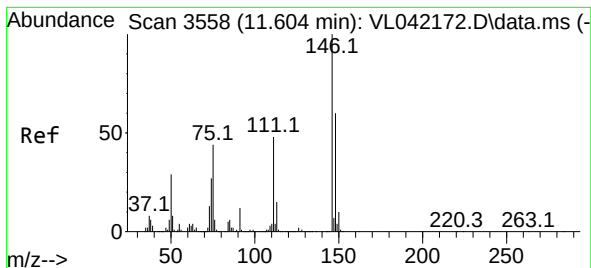
105 100

120 49.3 38.6 58.0

91 54.7 46.2 69.2

77 21.8 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 9.782 ppbv

RT: 11.633 min Scan# 3558

Delta R.T. 0.029 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

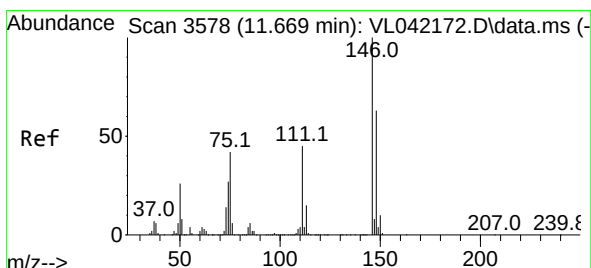
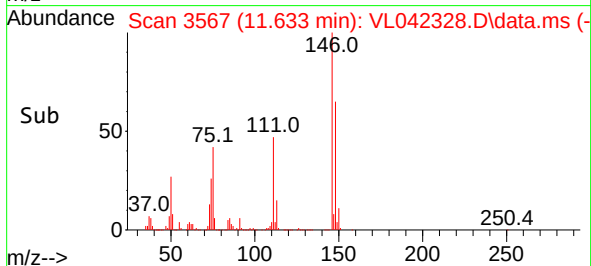
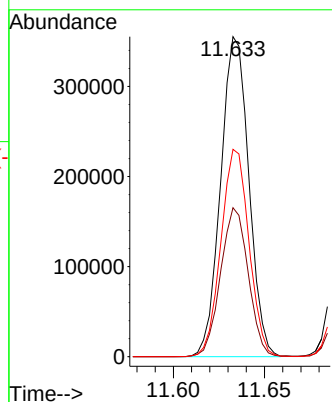
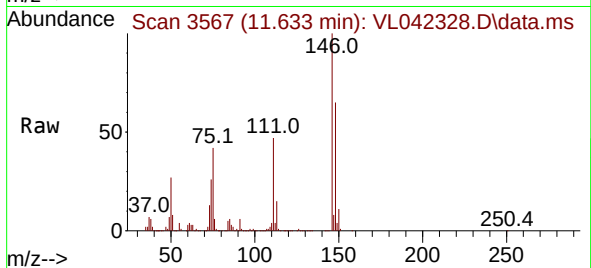
VL0415ABS01

Tgt Ion:	146	Resp:	38188
Ion Ratio	Lower	Upper	
146	100		
111	45.7	23.8	71.2
148	64.5	31.9	95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#76

1,4-Dichlorobenzene

Concen: 9.861 ppbv

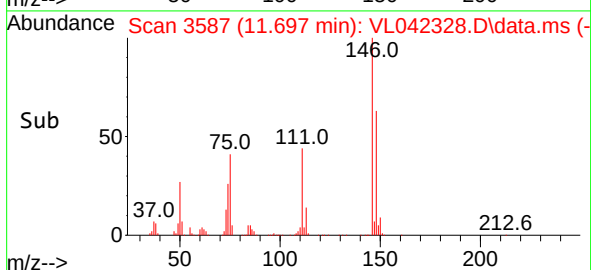
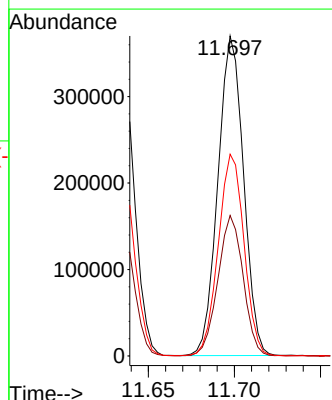
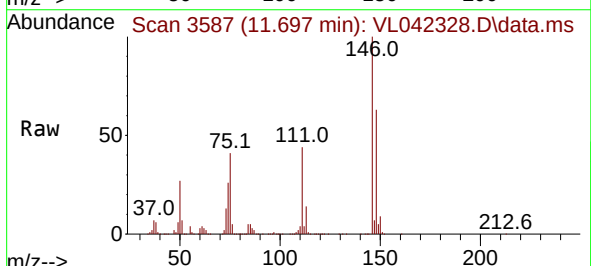
RT: 11.697 min Scan# 3587

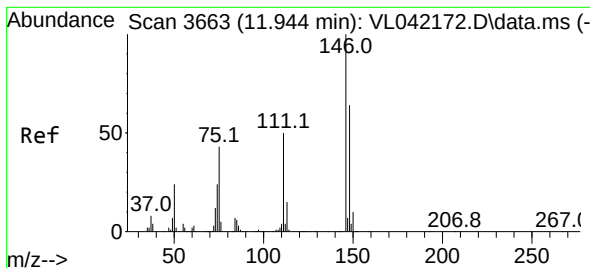
Delta R.T. 0.029 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

Tgt Ion:	146	Resp:	383116
Ion Ratio	Lower	Upper	
146	100		
111	43.4	23.0	69.0
148	63.6	31.9	95.7





#77

1,2-Dichlorobenzene

Concen: 10.175 ppbv

RT: 11.973 min Scan# 30

Delta R.T. 0.029 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

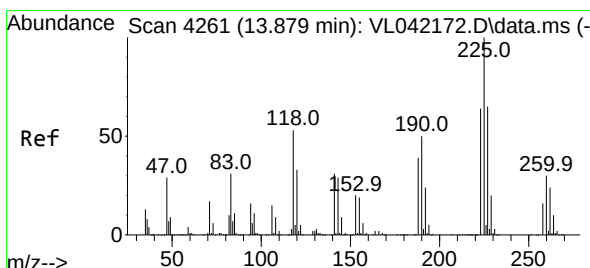
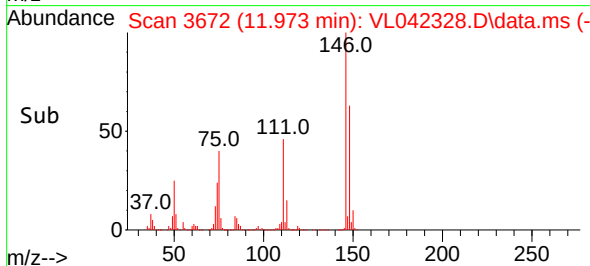
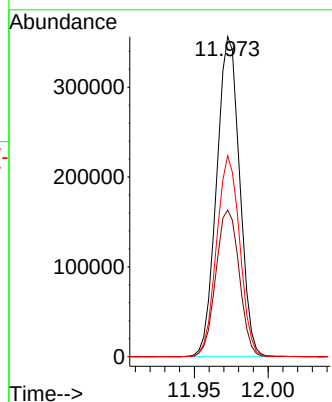
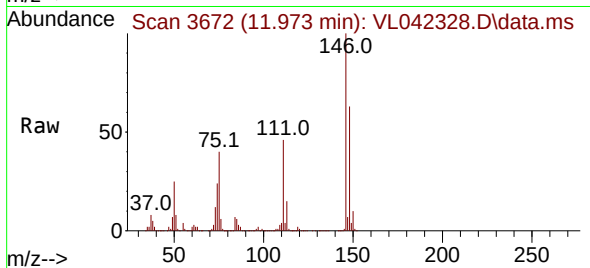
VL0415ABS01

Tgt Ion:	146	Resp:	38676
Ion Ratio	Lower	Upper	
146	100		
111	46.7	24.8	74.3
148	63.1	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#78

Hexachloro-1,3-Butadiene

Concen: 8.138 ppbv

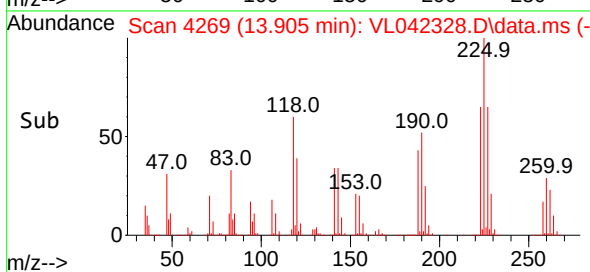
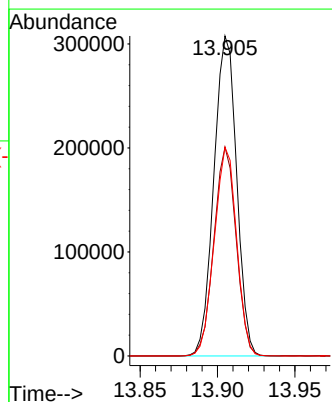
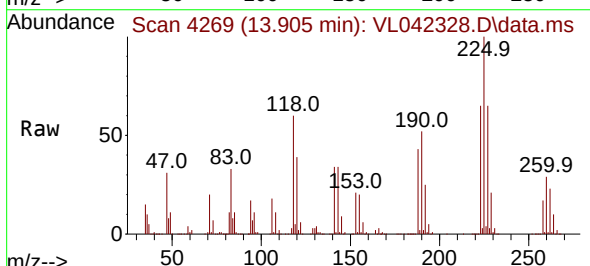
RT: 13.905 min Scan# 4269

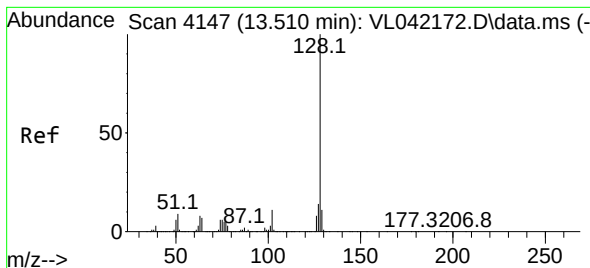
Delta R.T. 0.026 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

Tgt Ion:	225	Resp:	314860
Ion Ratio	Lower	Upper	
225	100		
223	63.7	50.6	76.0
227	64.0	51.2	76.8





#79

Naphthalene

Concen: 9.989 ppbv

RT: 13.539 min Scan# 4147

Delta R.T. 0.029 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

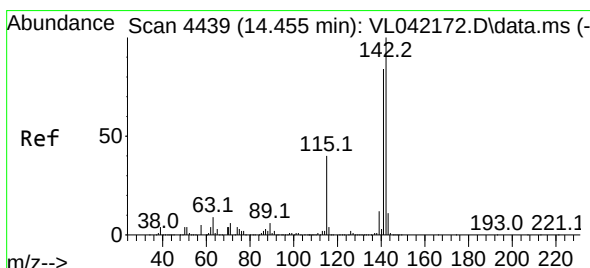
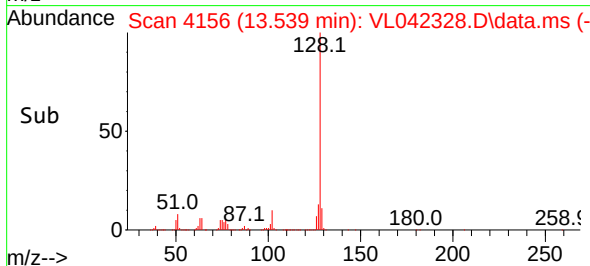
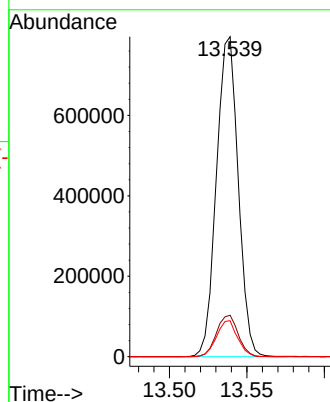
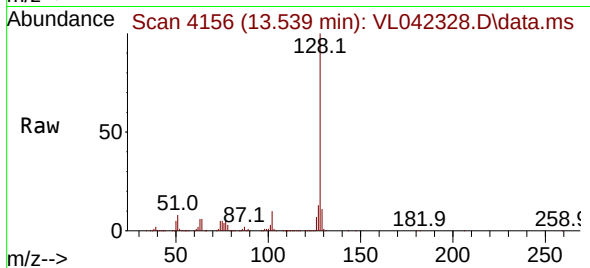
VL0415ABS01

Tgt Ion:	128	Resp:	77772
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.8	16.2
129	11.2	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#80

Naphthalene,2-methyl-

Concen: 9.836 ppbv

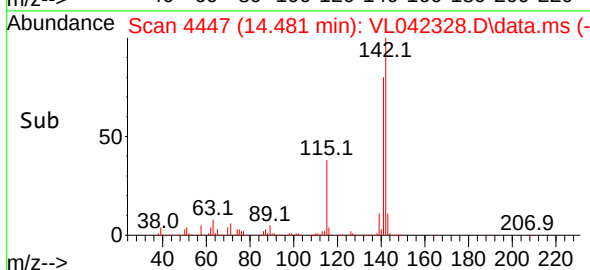
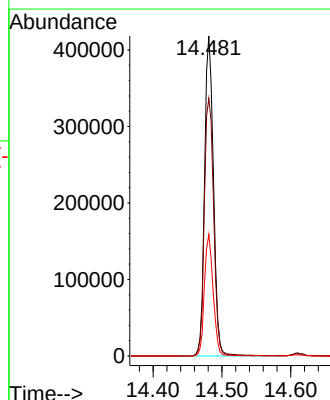
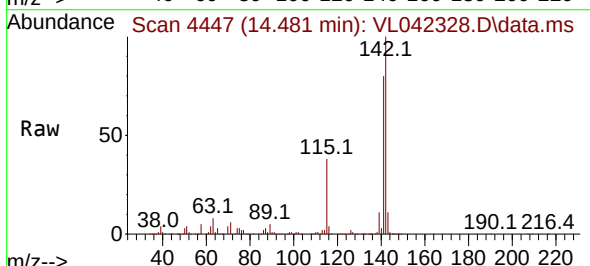
RT: 14.481 min Scan# 4447

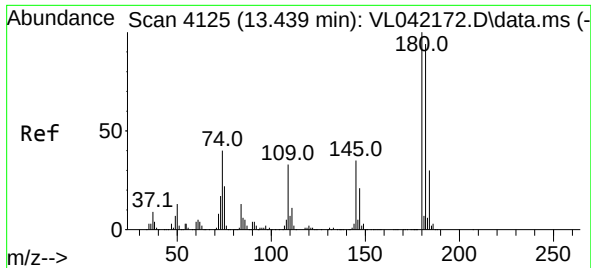
Delta R.T. 0.026 min

Lab File: VL042328.D

Acq: 15 Apr 2025 12:54

Tgt Ion:	142	Resp:	375541
Ion Ratio	Lower	Upper	
142	100		
141	84.5	66.3	99.5
115	37.5	31.6	47.4





#81

1,2,4-Trichlorobenzene

Concen: 9.551 ppbv

RT: 13.465 min Scan# 41

Delta R.T. 0.026 min

Lab File: VL042328.D

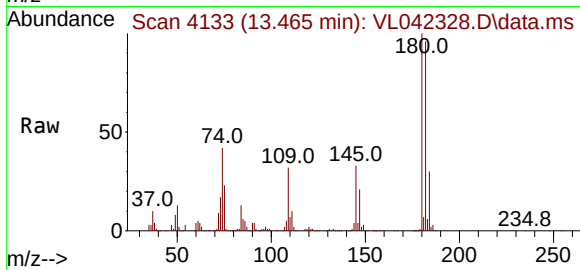
Acq: 15 Apr 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL0415ABS01



Tgt Ion:180	Resp:	343011
Ion Ratio	Lower	Upper
180	100	
182	94.8	75.1 112.7
184	30.3	24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

