

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041942.D
 Acq On : 21 Jan 2025 12:06
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/21/2025
 Supervised By : Mahesh Dadoda 01/21/2025

Quant Time: Jan 21 12:44:24 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

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

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.778	49	137432	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.946	114	385452	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.866	117	338752	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 272495 10.213 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.493	85	204417	10.920	ppbv	98
3) Chlorodifluoromethane	1.470	51	209572	10.687	ppbv	100
4) Chloromethane	1.528	50	77594	11.021	ppbv	95
5) Vinyl Chloride	1.574	62	76136	10.676	ppbv	94
6) Bromomethane	1.661	94	34997	10.297	ppbv	91
7) Chloroethane	1.700	64	30822	11.109	ppbv	99
8) Dichlorotetrafluoroethane	1.548	85	169090	10.336	ppbv	100
9) Propene	1.480	41	86173	10.667	ppbv	98
10) Heptane	4.962	43	247841	11.478	ppbv	98
11) Trichlorofluoromethane	1.871	101	194735	10.000	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.130	101	151788	9.946	ppbv	99
13) Ethanol	1.716	45	3500	5.915	ppbv	94
14) Bromoethene	1.774	108	54602	9.772	ppbv	98
15) Acetone	1.829	43	155695	9.432	ppbv	100
16) 1,3-Butadiene	1.603	39	79869	10.780	ppbv	97
17) tert-Butyl alcohol	2.033	59	188111	9.259	ppbv	98
18) 1,1-Dichloroethene	2.027	96	66343	9.645	ppbv	93
19) Isopropyl Alcohol	1.881	45	87035	8.893	ppbv	92
20) Methylene Chloride	2.053	84	59342	9.097	ppbv	96
21) Allyl Chloride	2.088	41	116166	10.163	ppbv	99
22) trans-1,2-Dichloroethene	2.334	96	80559	10.377	ppbv	95
23) Vinyl Acetate	2.457	43	54674m	6.682	ppbv	
24) 1,1-Dichloroethane	2.399	63	160712	10.703	ppbv	99
25) Ethyl Acetate	2.829	43	500602	11.247	ppbv	99
26) Hexane	2.816	57	197883	11.240	ppbv	97
27) Carbon Disulfide	2.143	76	181852	10.439	ppbv	98
28) Methyl tert-Butyl Ether	2.435	73	100086	7.438	ppbv	99
29) Chloroform	2.839	83	306260	11.005	ppbv	99
30) Cyclohexane	3.842	84	162877	10.667	ppbv	97
31) cis-1,2-Dichloroethene	2.713	61	192783	10.400	ppbv	95
32) 1,1,1-Trichloroethane	3.357	97	289204	10.861	ppbv	98
34) 2-Butanone	2.551	43	283318	11.558	ppbv	99
35) Carbon Tetrachloride	3.749	117	297189	12.275	ppbv	97
36) Benzene	3.642	78	401541	11.358	ppbv	100
37) 1,2-Dichloroethane	3.208	62	228138	11.490	ppbv	99
38) Trichloroethene	4.532	130	160118	11.413	ppbv	99
39) 1,2-Dichloropropane	4.299	63	138923	11.202	ppbv	98
40) 1,4-Dioxane	4.571	88	63186	10.089	ppbv #	93
41) Tetrahydrofuran	3.046	42	157946	11.856	ppbv	99
42) Bromodichloromethane	4.474	83	309222	11.615	ppbv	98
43) Methyl Methacrylate	4.869	69	148876	11.336	ppbv	99
44) 2,2,4-Trimethylpentane	4.623	57	676235	11.826	ppbv	99
45) t-1,3-Dichloropropene	6.399	75	136695	11.120	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
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Instrument :
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 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
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Quant Time: Jan 21 12:44:24 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

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

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 01/21/2025
 Supervised By : Mahesh Dadoda 01/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.581	75	184480	11.430	ppbv	98
47) 1,1,2-Trichloroethane	6.568	97	154476	11.753	ppbv	95
48) Dibromochloromethane	7.374	129	242235	11.945	ppbv	99
49) Bromoform	9.471	173	197892	11.879	ppbv	100
50) 4-Methyl-2-Pentanone	5.739	43	389196	11.630	ppbv	99
51) 2-Hexanone	7.422	43	313842	12.205	ppbv #	97
52) Tetrachloroethene	8.209	164	130723	10.664	ppbv	98
53) Toluene	6.914	91	448531	11.647	ppbv	99
54) 1,2-Dibromoethane	7.636	107	210614	11.656	ppbv	93
56) 1,1,1,2-Tetrachloroethane	8.911	131	197723	11.699	ppbv	99
57) Chlorobenzene	8.908	112	362460	11.600	ppbv	97
58) Ethyl Benzene	9.342	91	631517	11.929	ppbv	99
59) m/p-Xylene	9.539	91	1048668m	24.713	ppbv	
60) o-Xylene	9.953	91	517829	12.294	ppbv	99
61) Styrene	9.859	104	233740	12.371	ppbv	99
62) Isopropylbenzene	10.529	105	773940	11.875	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.950	83	321312	11.938	ppbv	98
64) n-propylbenzene	10.979	120	199639	12.122	ppbv	98
65) tert-Butylbenzene	11.523	119	689003	11.600	ppbv	100
66) Benzyl Chloride	11.607	91	35185	9.571	ppbv	96
67) sec-Butylbenzene	11.759	105	960511	11.744	ppbv	100
69) p-Isopropyltoluene	11.918	119	802032	11.909	ppbv	99
70) n-Butylbenzene	12.274	91	778886	11.661	ppbv	100
71) 2-Chlorotoluene	10.892	91	571999	11.864	ppbv	99
72) 4-Ethyltoluene	11.115	105	626148m	12.428	ppbv	
73) 1,3,5-Trimethylbenzene	11.196	105	528377	11.876	ppbv	94
74) 1,2,4-Trimethylbenzene	11.530	105	577455	11.985	ppbv	93
75) 1,3-Dichlorobenzene	11.601	146	336294	11.778	ppbv	99
76) 1,4-Dichlorobenzene	11.662	146	331999	11.885	ppbv	100
77) 1,2-Dichlorobenzene	11.941	146	325467	11.502	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	208238	8.966	ppbv	100
79) Naphthalene	13.507	128	473546	9.761	ppbv	100
80) Naphthalene,2-methyl-	14.452	142	171794	7.469	ppbv	98
81) 1,2,4-Trichlorobenzene	13.436	180	212524	8.975	ppbv	98

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

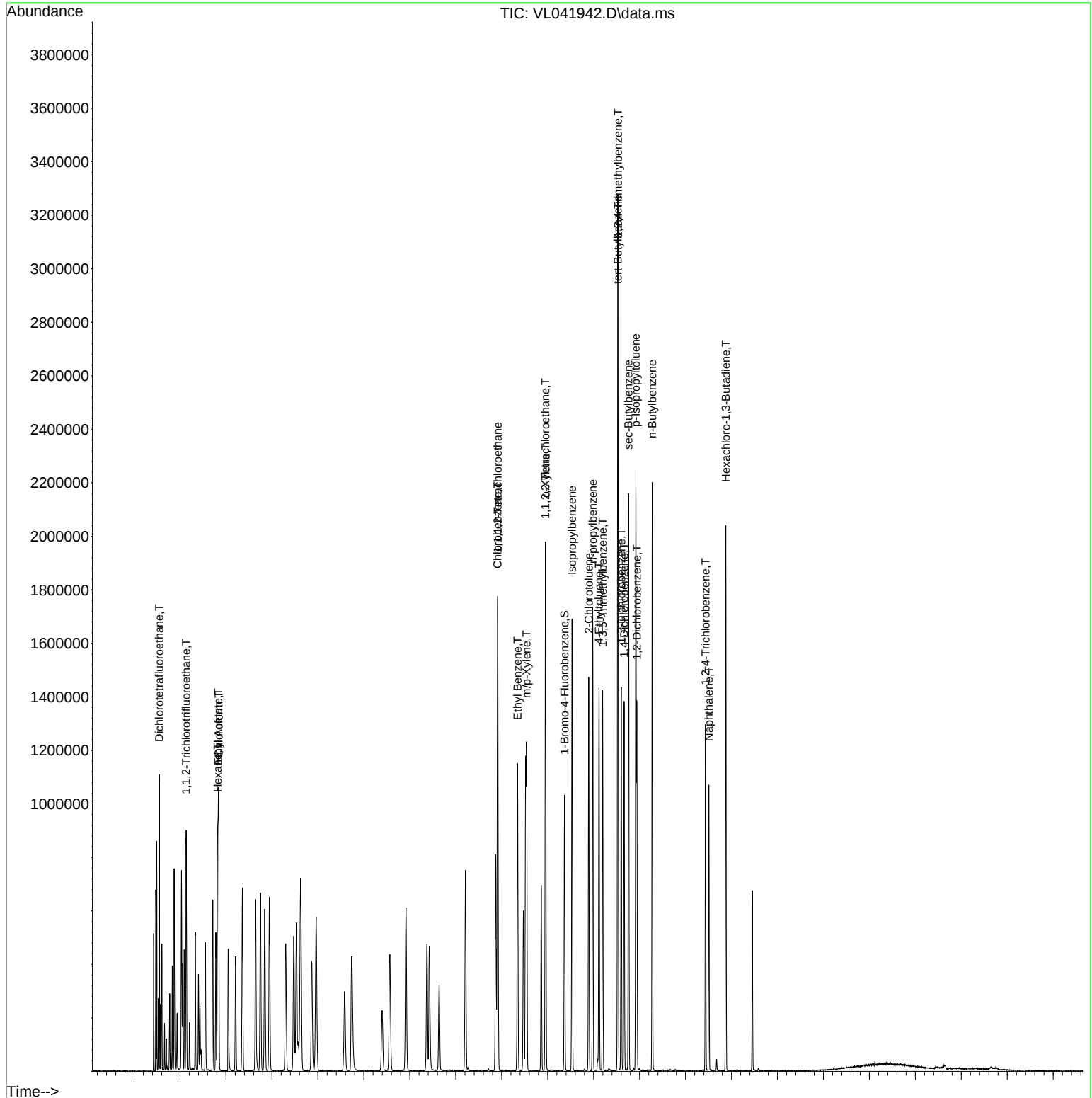
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Operator : SY/MD
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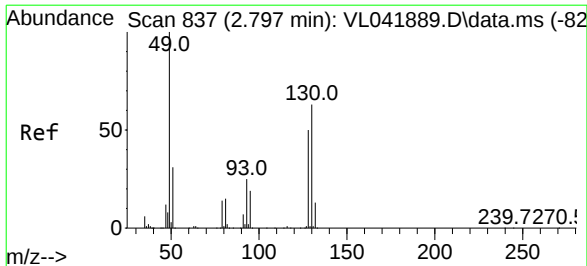
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Jan 21 12:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Jan 14 23:15:42 2025
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Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025





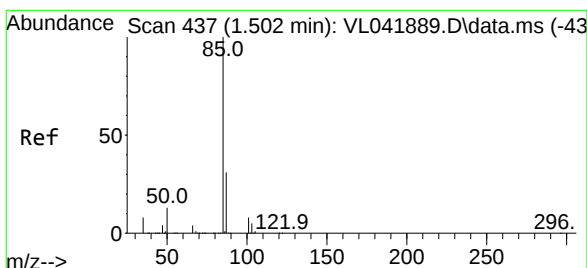
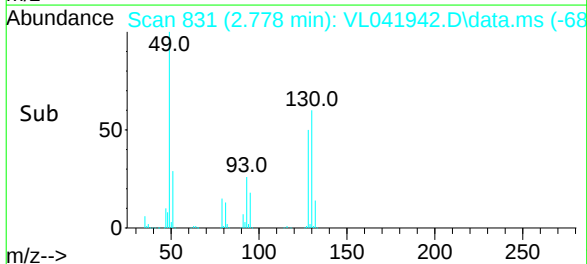
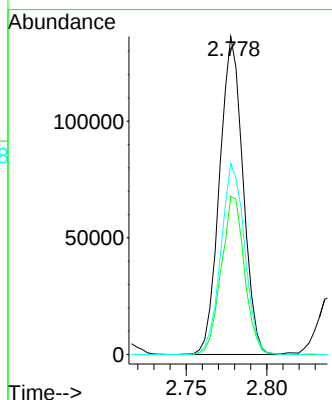
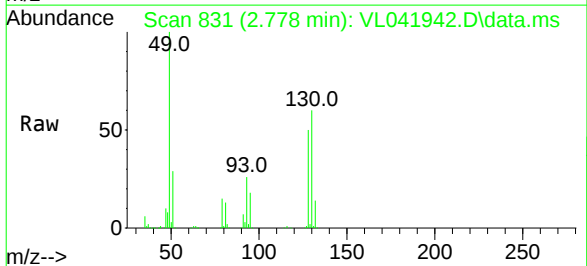
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.778 min Scan# 831
Delta R.T. -0.019 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 137432
Ion Ratio Lower Upper
49 100
128 49.2 24.3 73.0
130 61.2 31.1 93.2

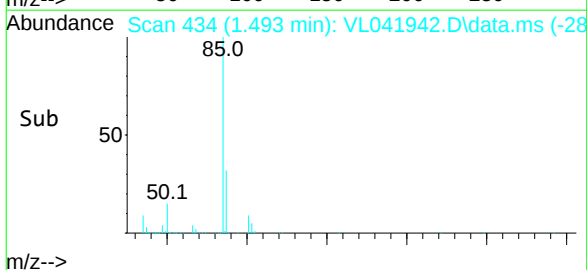
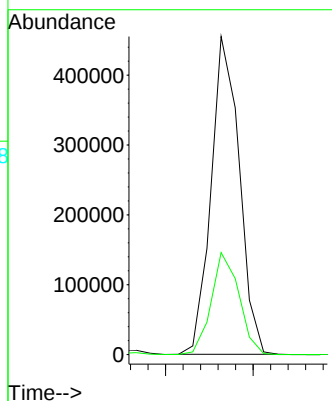
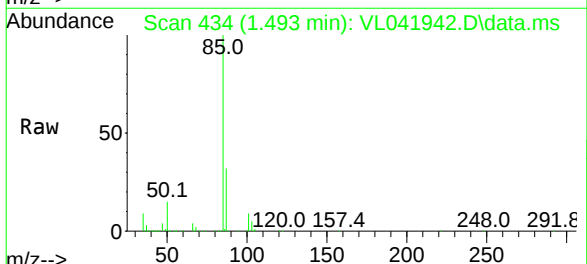
Manual Integrations
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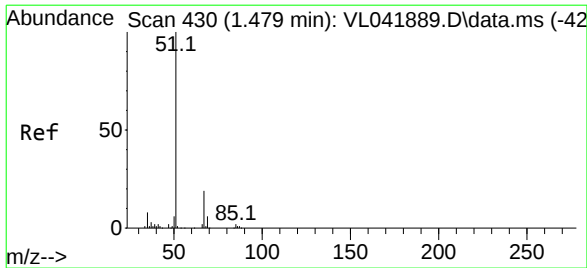
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#2
Dichlorodifluoromethane
Concen: 10.920 ppbv
RT: 1.493 min Scan# 434
Delta R.T. -0.009 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

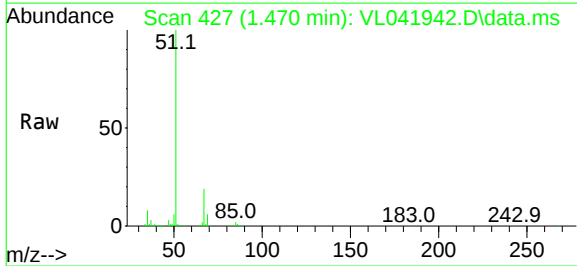
Tgt Ion: 85 Resp: 204417
Ion Ratio Lower Upper
85 100
87 32.1 24.9 37.3





#3
Chlorodifluoromethane
Concen: 10.687 ppbv
RT: 1.470 min Scan# 42
Delta R.T. -0.009 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

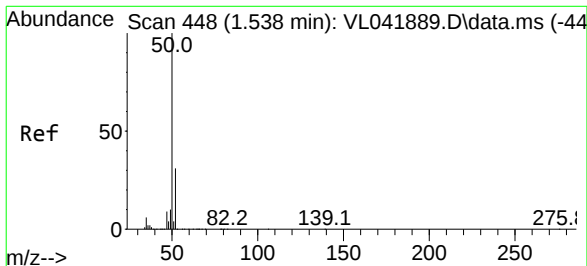
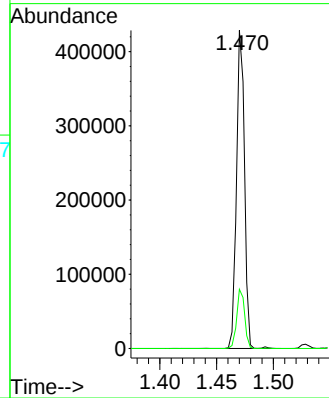
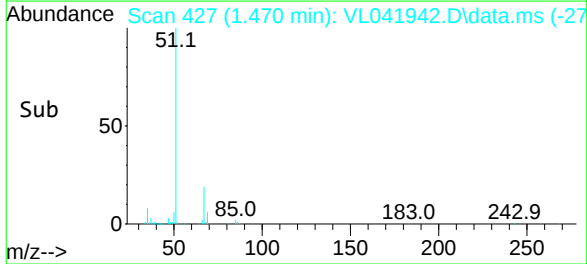
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 51 Resp: 209572
Ion Ratio Lower Upper
51 100
67 18.5 15.0 22.4

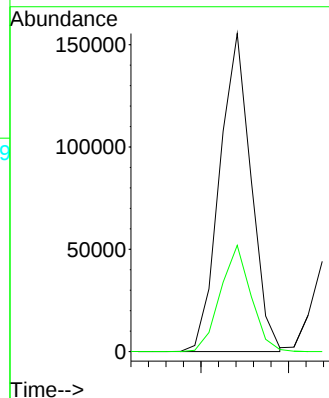
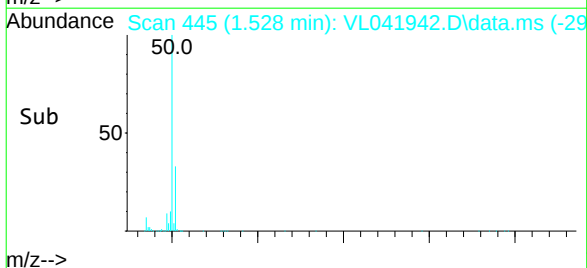
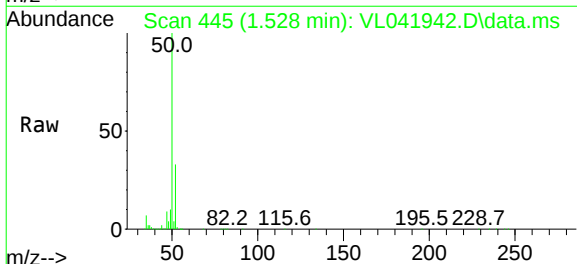
Manual Integrations
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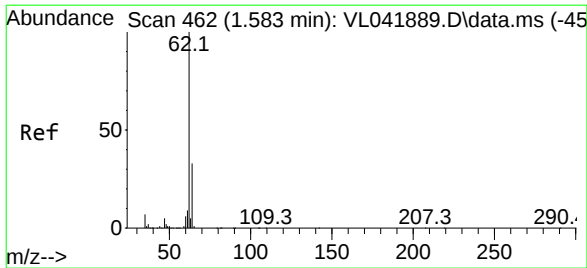
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#4
Chloromethane
Concen: 11.021 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.009 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

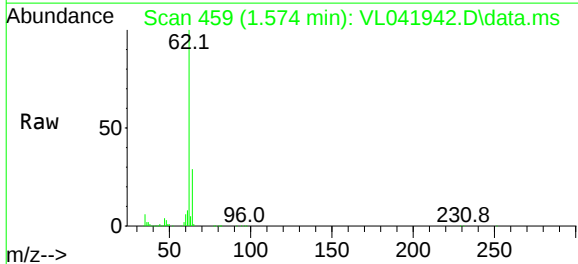
Tgt Ion: 50 Resp: 77594
Ion Ratio Lower Upper
50 100
52 33.4 24.6 36.8





#5
 Vinyl Chloride
 Concen: 10.676 ppbv
 RT: 1.574 min Scan# 451
 Delta R.T. -0.009 min
 Lab File: VL041942.D
 Acq: 21 Jan 2025 12:06

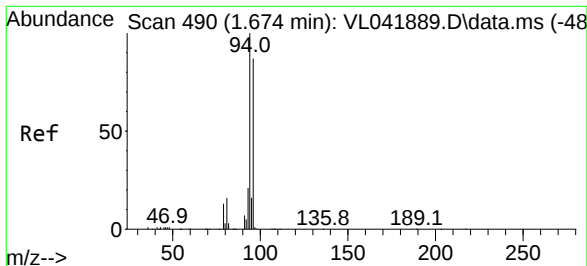
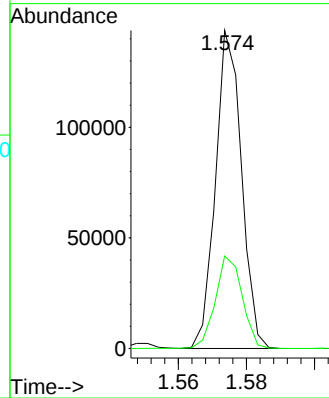
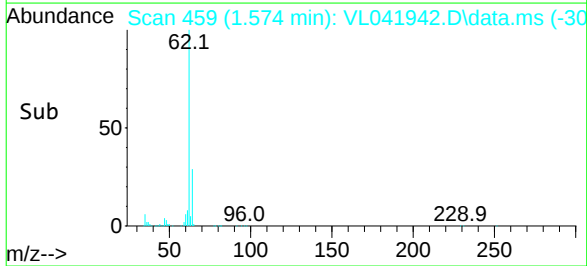
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion: 62 Resp: 76136
 Ion Ratio Lower Upper
 62 100
 64 29.0 26.1 39.1

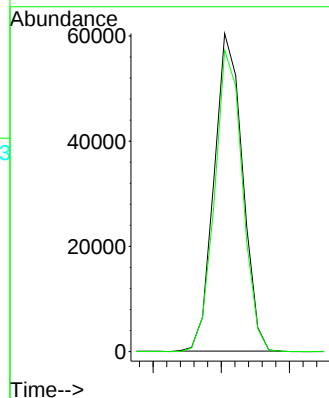
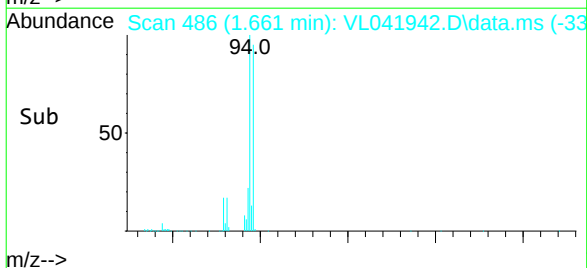
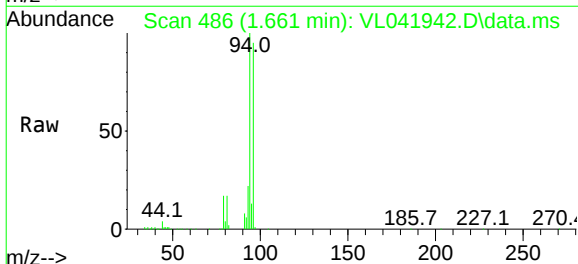
Manual Integrations
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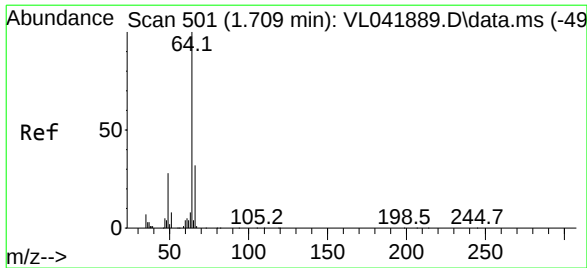
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025



#6
 Bromomethane
 Concen: 10.297 ppbv
 RT: 1.661 min Scan# 486
 Delta R.T. -0.013 min
 Lab File: VL041942.D
 Acq: 21 Jan 2025 12:06

Tgt Ion: 94 Resp: 34997
 Ion Ratio Lower Upper
 94 100
 96 94.9 69.5 104.3





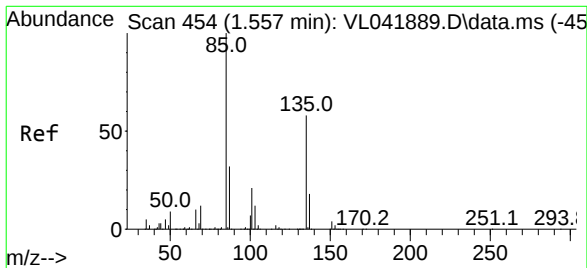
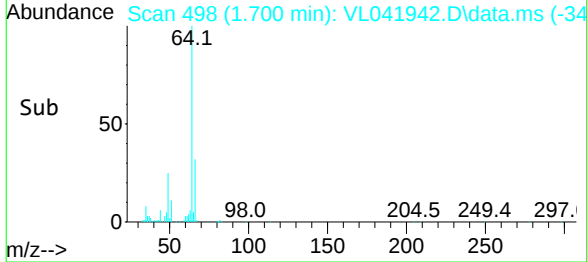
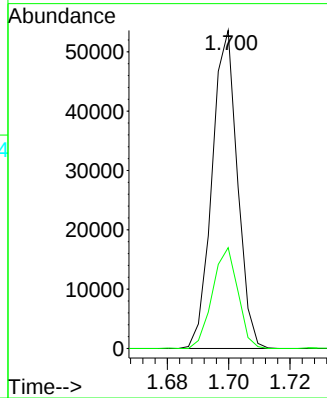
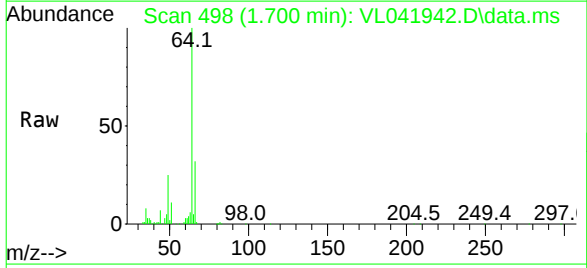
#7
Chloroethane
Concen: 11.109 ppbv
RT: 1.700 min Scan# 49
Delta R.T. -0.009 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 30822
Ion Ratio Lower Upper
64 100
66 31.7 25.7 38.5

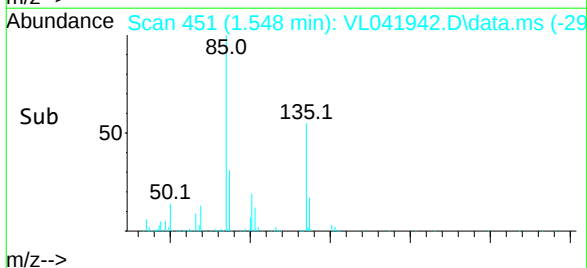
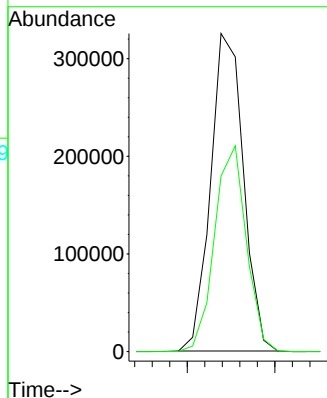
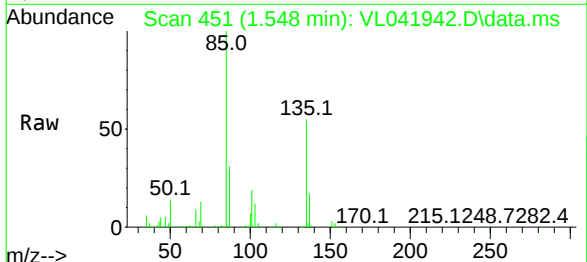
Manual Integrations
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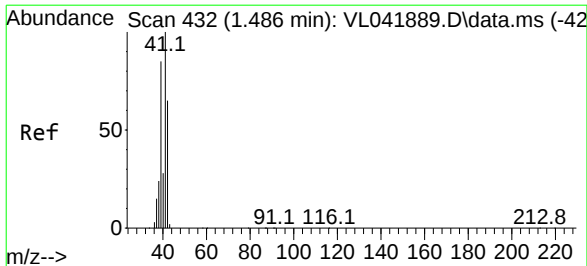
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#8
Dichlorotetrafluoroethane
Concen: 10.336 ppbv
RT: 1.548 min Scan# 451
Delta R.T. -0.009 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

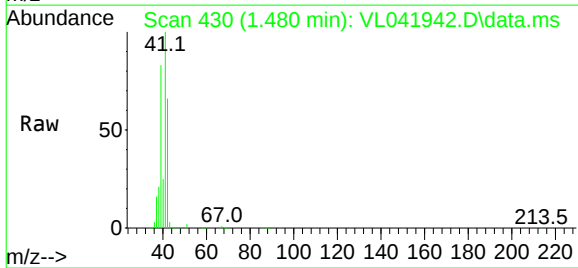
Tgt Ion: 85 Resp: 169090
Ion Ratio Lower Upper
85 100
135 62.8 50.0 75.0





#9
Propene
Concen: 10.667 ppbv
RT: 1.480 min Scan# 43
Delta R.T. -0.006 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

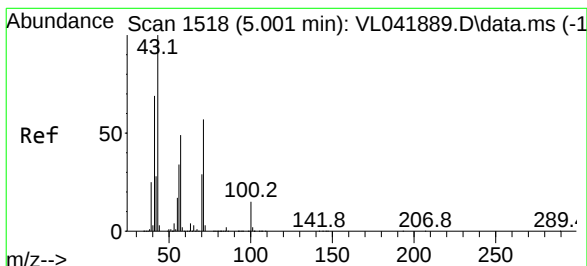
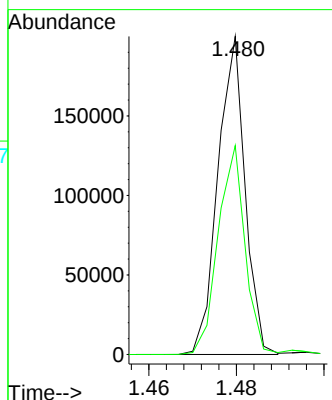
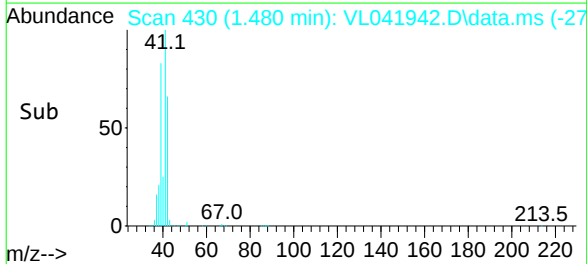
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 41 Resp: 86173
Ion Ratio Lower Upper
41 100
42 66.4 52.0 78.0

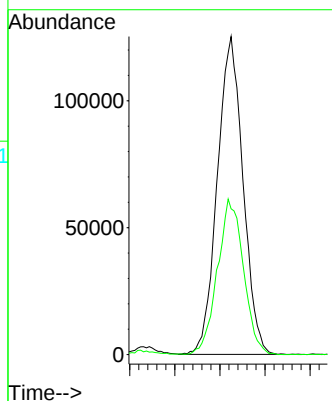
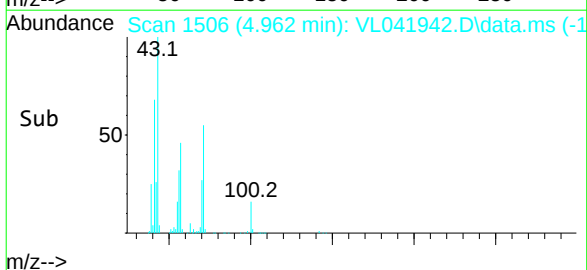
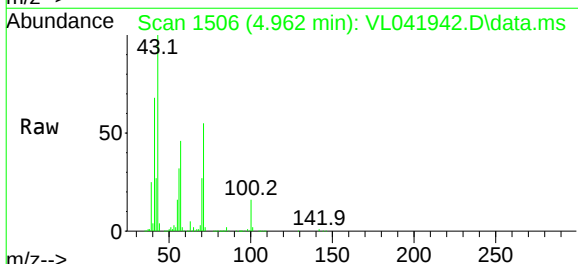
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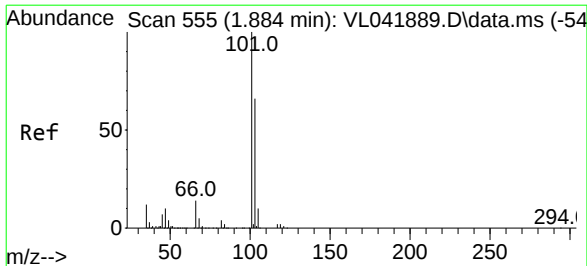
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#10
Heptane
Concen: 11.478 ppbv
RT: 4.962 min Scan# 1506
Delta R.T. -0.038 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

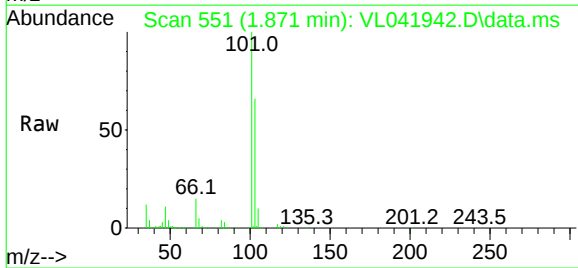
Tgt Ion: 43 Resp: 247841
Ion Ratio Lower Upper
43 100
57 49.7 41.0 61.4





#11
Trichlorofluoromethane
Concen: 10.000 ppbv
RT: 1.871 min Scan# 555
Delta R.T. -0.013 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

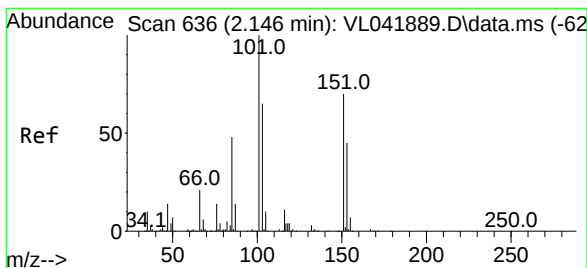
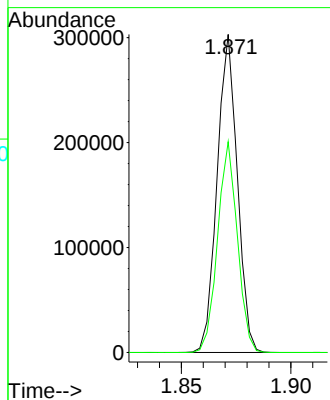
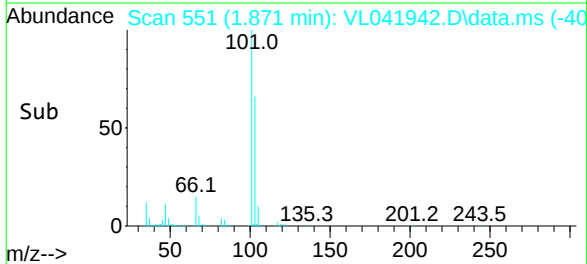
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion:101 Resp: 194735
Ion Ratio Lower Upper
101 100
103 66.3 53.1 79.7

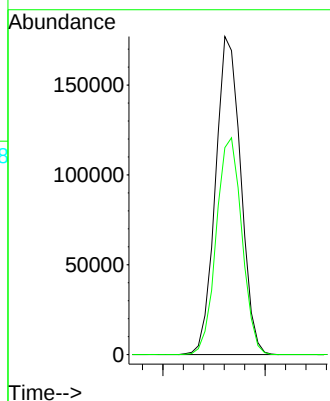
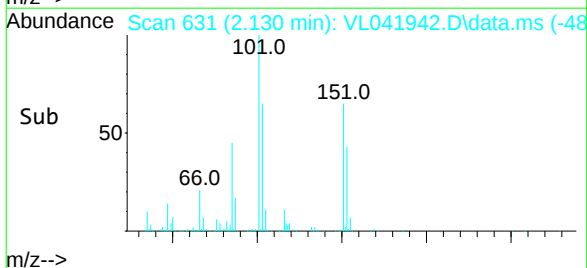
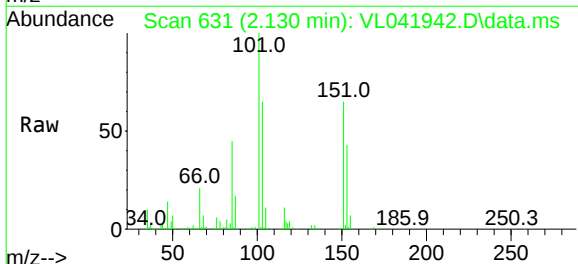
Manual Integrations
APPROVED

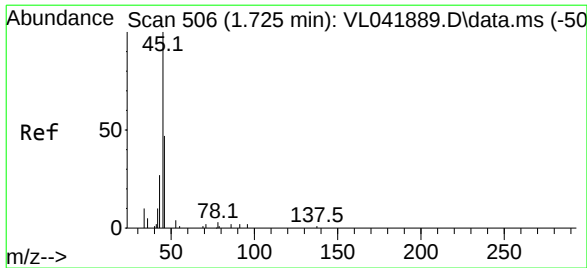
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.946 ppbv
RT: 2.130 min Scan# 631
Delta R.T. -0.016 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

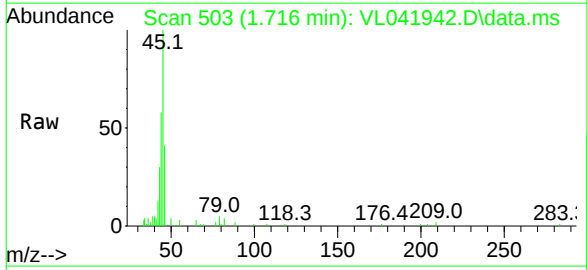
Tgt Ion:101 Resp: 151788
Ion Ratio Lower Upper
101 100
151 69.1 56.1 84.1





#13
Ethanol
Concen: 5.915 ppbv
RT: 1.716 min Scan# 506
Delta R.T. -0.009 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

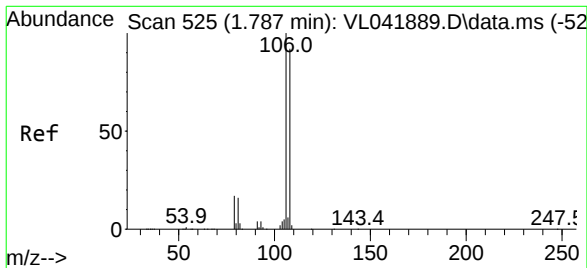
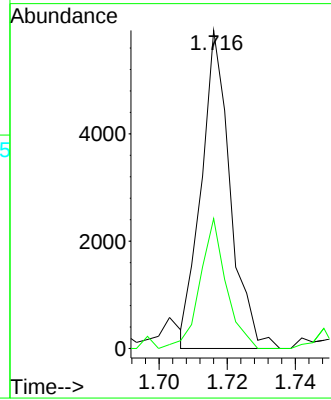
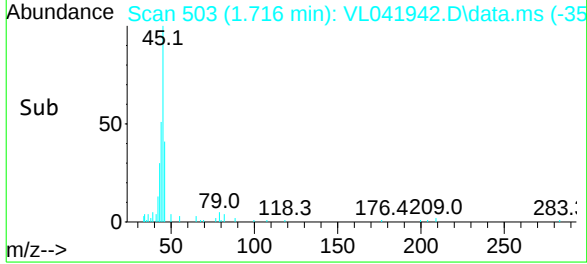
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 45 Resp: 3500
Ion Ratio Lower Upper
45 100
46 41.2 18.1 72.5

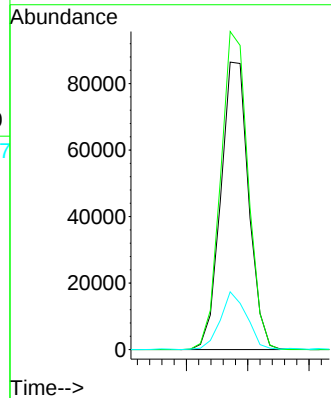
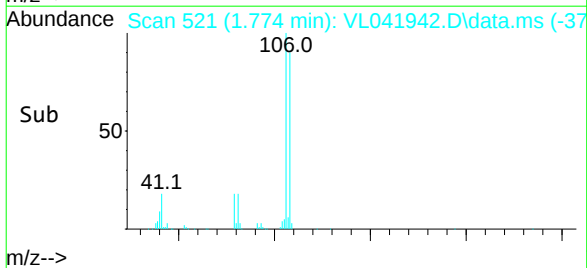
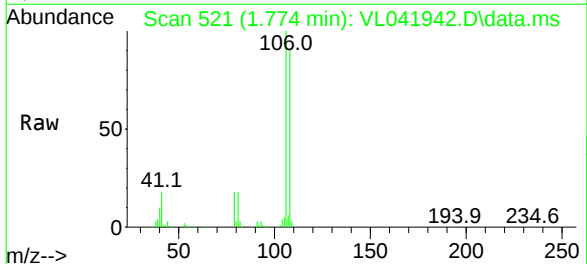
Manual Integrations
APPROVED

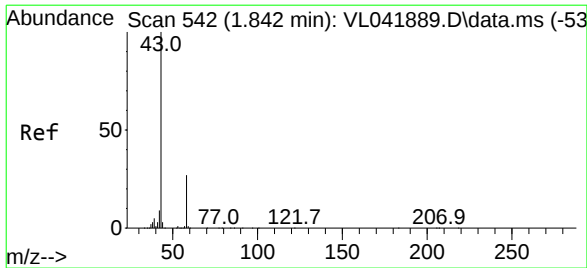
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#14
Bromoethene
Concen: 9.772 ppbv
RT: 1.774 min Scan# 521
Delta R.T. -0.013 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Tgt Ion:108 Resp: 54602
Ion Ratio Lower Upper
108 100
106 109.1 85.5 128.3
79 19.7 15.3 22.9





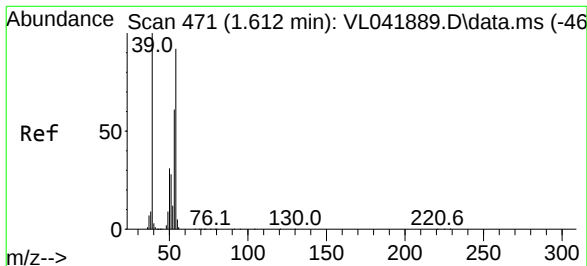
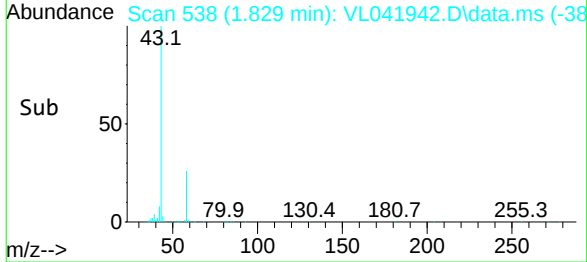
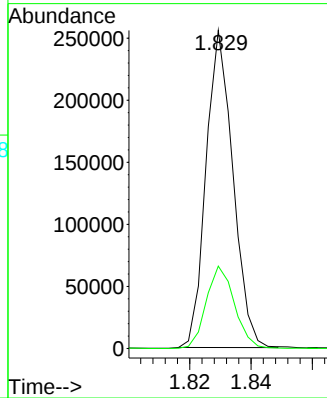
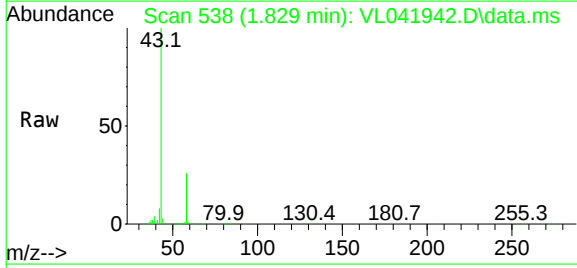
#15
Acetone
Concen: 9.432 ppbv
RT: 1.829 min Scan# 53
Delta R.T. -0.013 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 155695
Ion Ratio Lower Upper
43 100
58 27.4 21.9 32.9

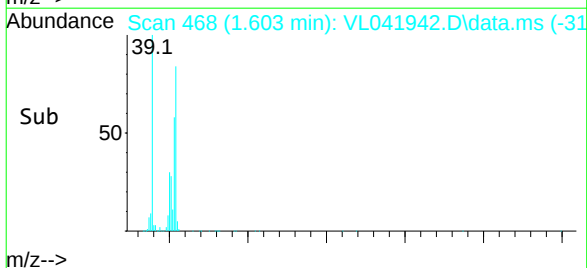
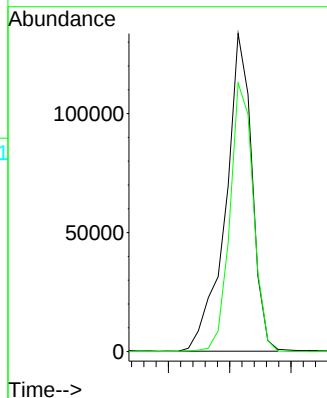
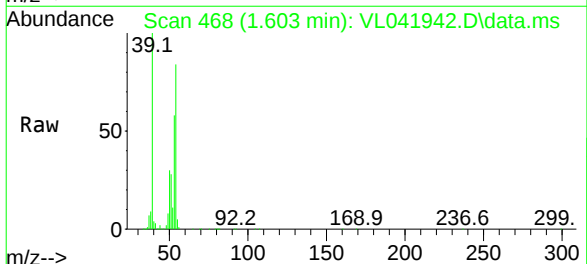
Manual Integrations
APPROVED

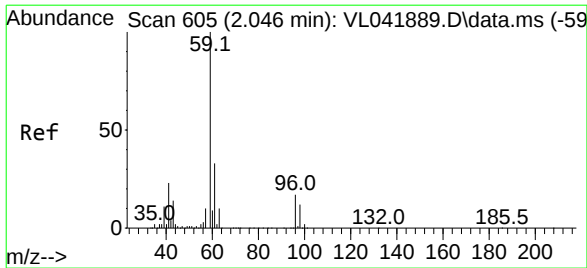
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#16
1,3-Butadiene
Concen: 10.780 ppbv
RT: 1.603 min Scan# 468
Delta R.T. -0.009 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Tgt Ion: 39 Resp: 79869
Ion Ratio Lower Upper
39 100
54 74.8 61.6 92.4





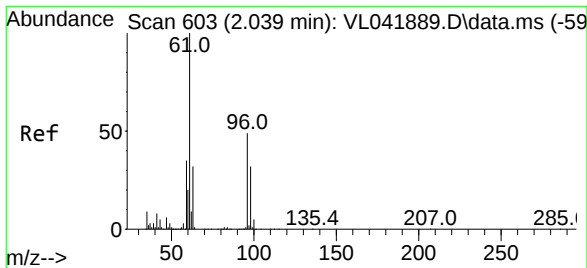
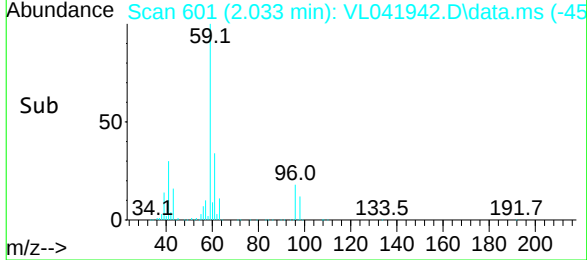
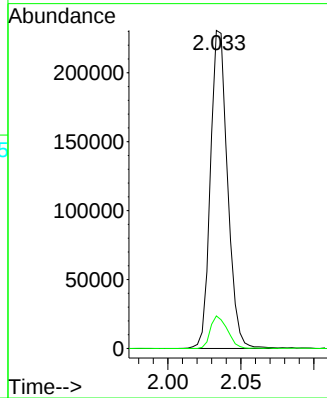
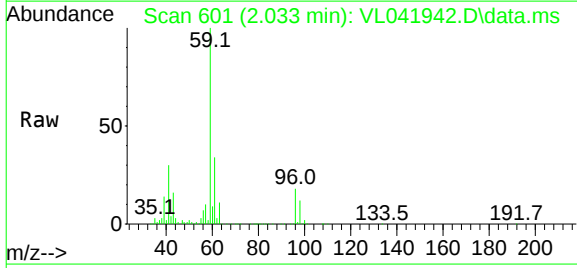
#17
tert-Butyl alcohol
Concen: 9.259 ppbv
RT: 2.033 min Scan# 605
Delta R.T. -0.013 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 188111
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.8

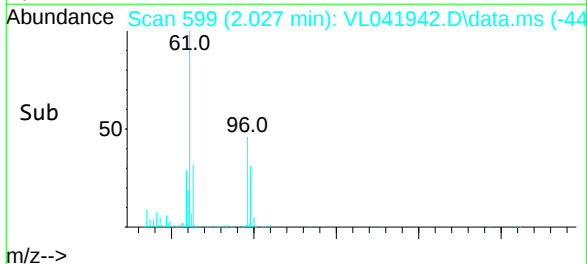
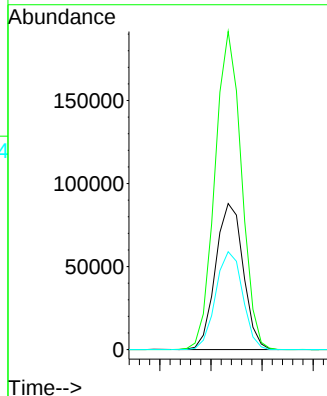
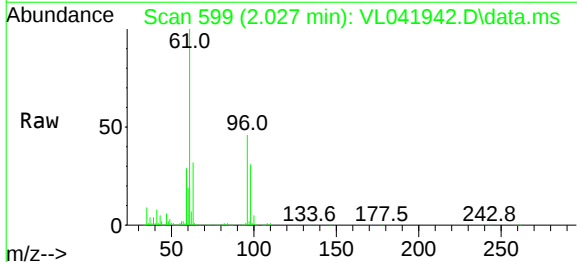
Manual Integrations
APPROVED

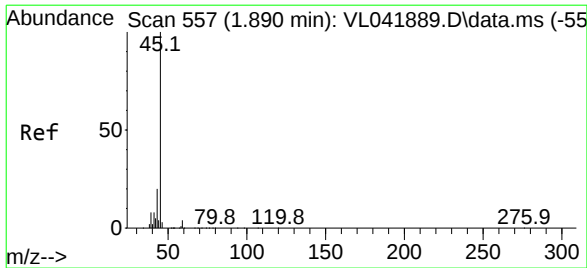
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#18
1,1-Dichloroethene
Concen: 9.645 ppbv
RT: 2.027 min Scan# 599
Delta R.T. -0.013 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

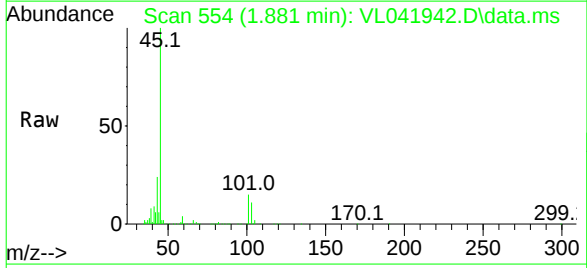
Tgt Ion: 96 Resp: 66343
Ion Ratio Lower Upper
96 100
61 217.7 163.1 244.7
98 67.0 52.7 79.1





#19
Isopropyl Alcohol
Concen: 8.893 ppbv
RT: 1.881 min Scan# 55
Delta R.T. -0.009 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

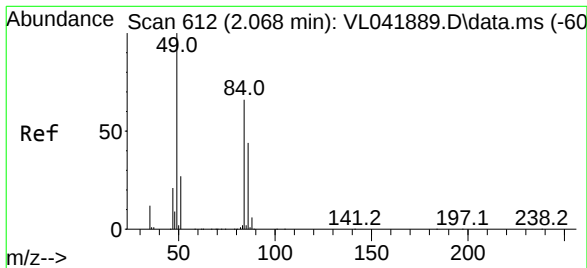
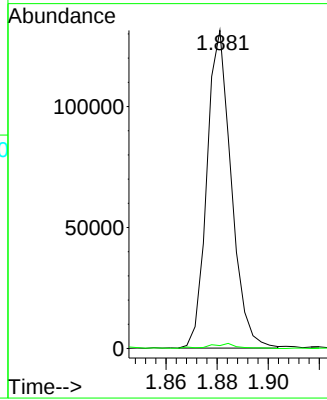
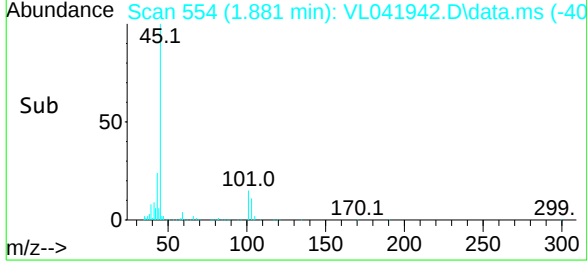
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



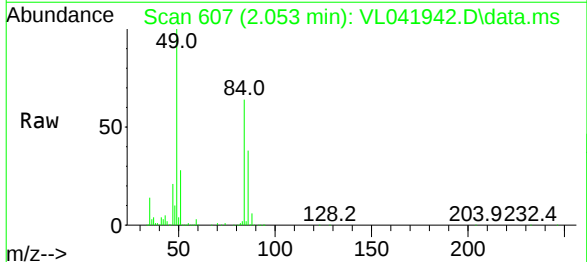
Tgt Ion: 45 Resp: 87035
Ion Ratio Lower Upper
45 100
58 49.0 35.0 52.6

Manual Integrations
APPROVED

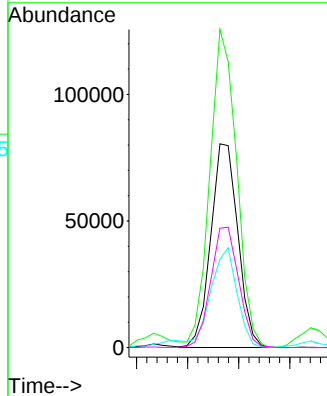
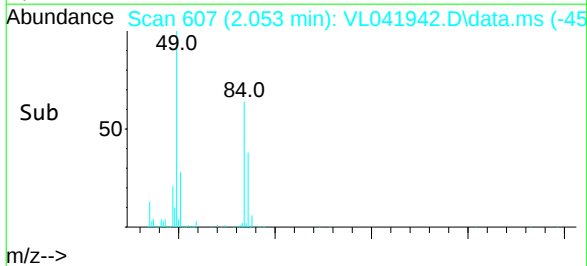
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

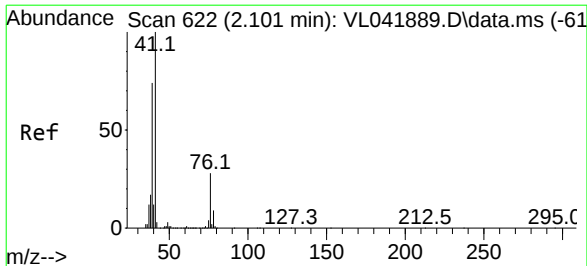


#20
Methylene Chloride
Concen: 9.097 ppbv
RT: 2.053 min Scan# 607
Delta R.T. -0.016 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06



Tgt Ion: 84 Resp: 59342
Ion Ratio Lower Upper
84 100
49 155.9 123.1 184.7
51 43.1 35.8 53.8
86 58.6 53.7 80.5





#21

Allyl Chloride

Concen: 10.163 ppbv

RT: 2.088 min Scan# 61

Delta R.T. -0.013 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

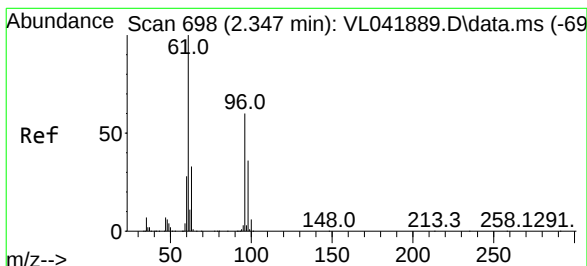
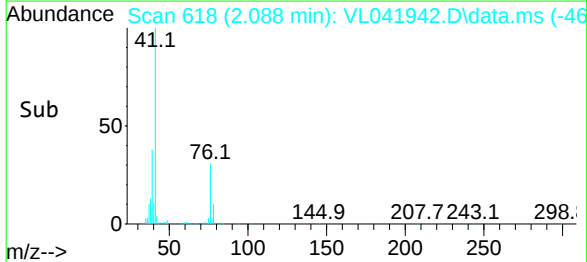
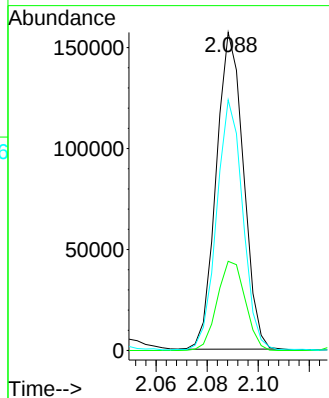
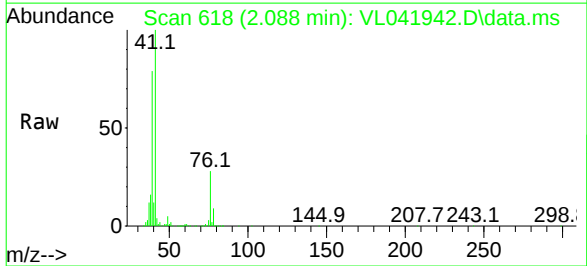
VSTDCCC010EC

Tgt Ion:	41	Resp:	116166
Ion	Ratio	Lower	Upper
41	100		
76	29.0	24.2	36.4
39	76.5	60.6	91.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#22

trans-1,2-Dichloroethene

Concen: 10.377 ppbv

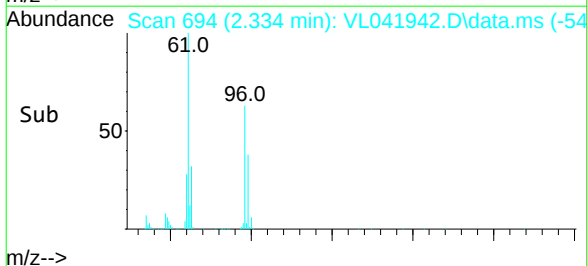
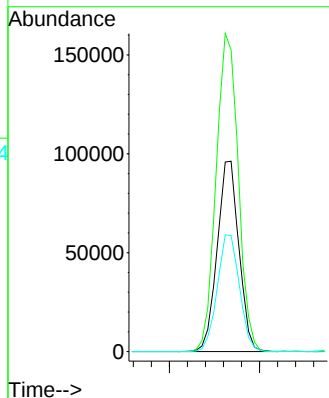
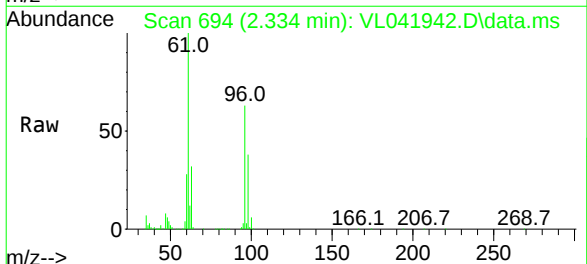
RT: 2.334 min Scan# 694

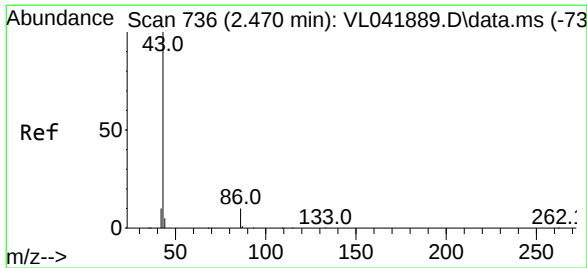
Delta R.T. -0.013 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

Tgt Ion:	96	Resp:	80559
Ion	Ratio	Lower	Upper
96	100		
61	158.4	134.5	201.7
98	61.0	48.9	73.3





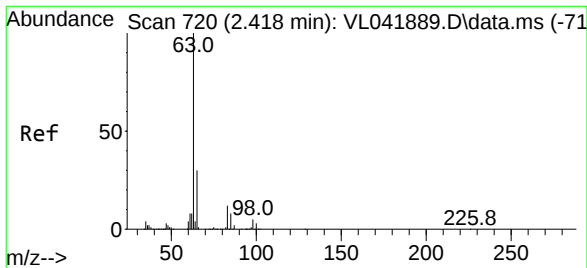
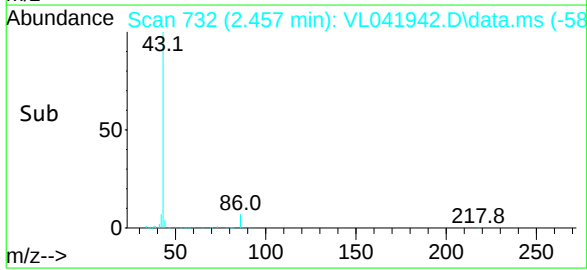
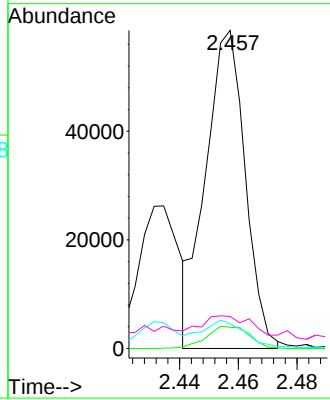
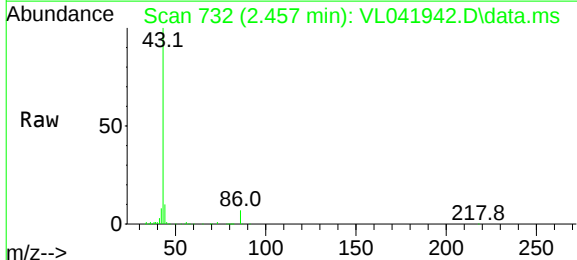
#23
 Vinyl Acetate
 Concen: 6.682 ppbv m
 RT: 2.457 min Scan# 73
 Delta R.T. -0.013 min
 Lab File: VL041942.D
 Acq: 21 Jan 2025 12:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:	43	Resp:	54674
Ion	Ratio	Lower	Upper
43	100		
86	6.6	6.2	9.4
42	7.8	8.5	12.7#
44	10.1	4.8	7.2#

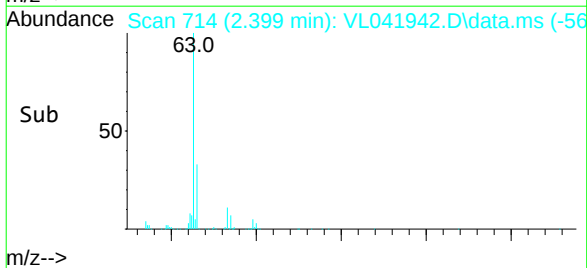
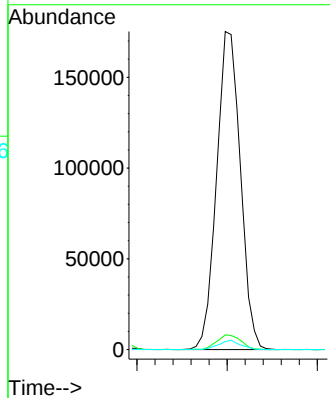
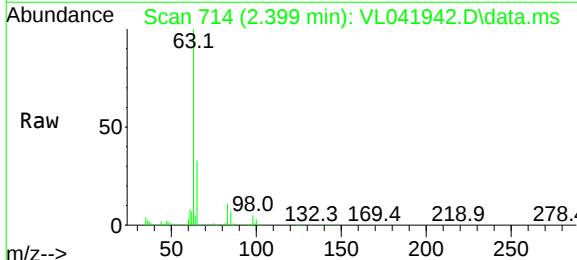
Manual Integrations
 APPROVED

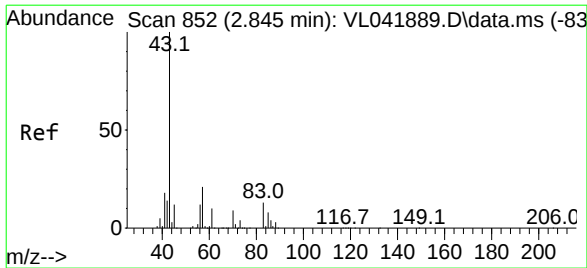
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025



#24
 1,1-Dichloroethane
 Concen: 10.703 ppbv
 RT: 2.399 min Scan# 714
 Delta R.T. -0.019 min
 Lab File: VL041942.D
 Acq: 21 Jan 2025 12:06

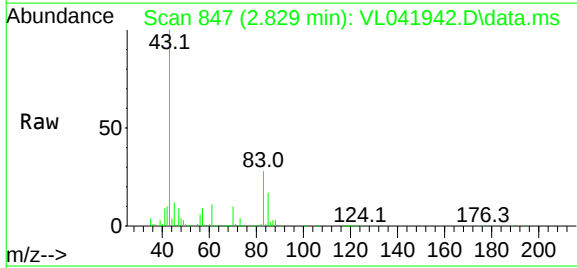
Tgt Ion:	63	Resp:	160712
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.6	7.8
100	2.5	1.4	4.2





#25
Ethyl Acetate
Concen: 11.247 ppbv
RT: 2.829 min Scan# 843
Delta R.T. -0.016 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

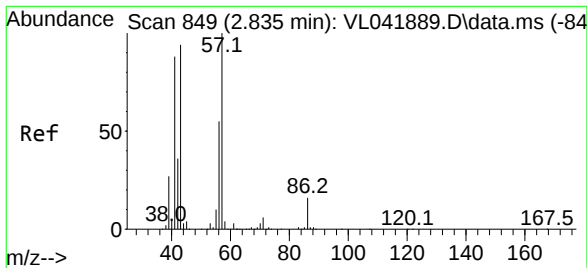
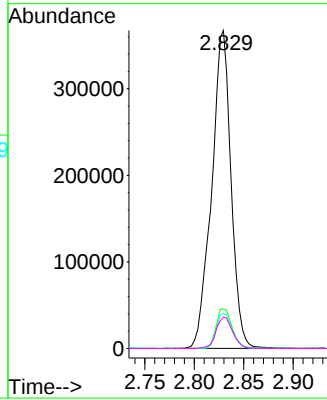
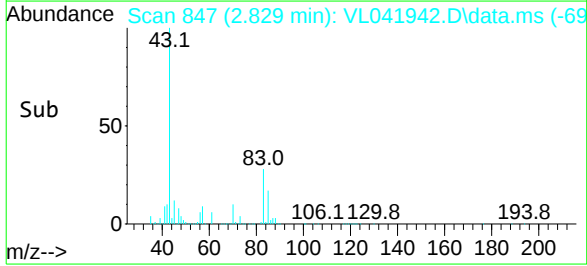
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 43 Resp: 500602
Ion Ratio Lower Upper
43 100
45 10.5 8.2 12.2
61 9.1 7.4 11.0
70 8.5 7.0 10.4

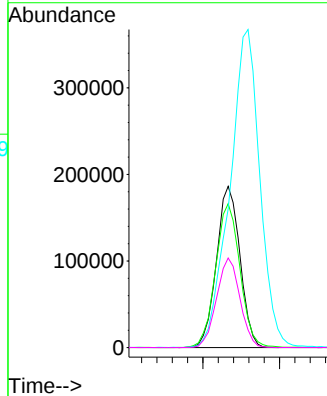
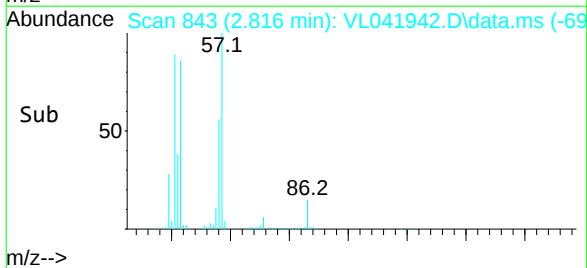
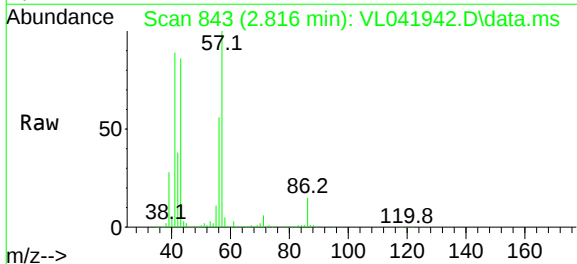
Manual Integrations
APPROVED

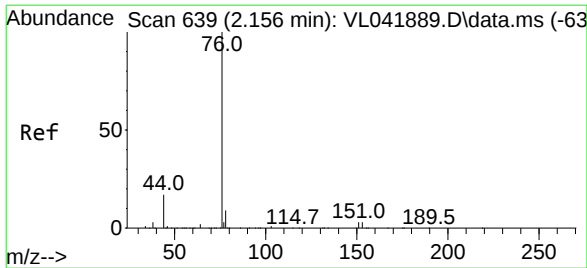
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#26
Hexane
Concen: 11.240 ppbv
RT: 2.816 min Scan# 843
Delta R.T. -0.019 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Tgt Ion: 57 Resp: 197883
Ion Ratio Lower Upper
57 100
41 93.4 73.8 110.8
43 253.9 197.3 295.9
56 55.3 42.7 64.1





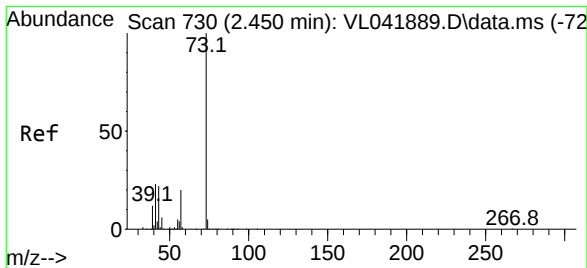
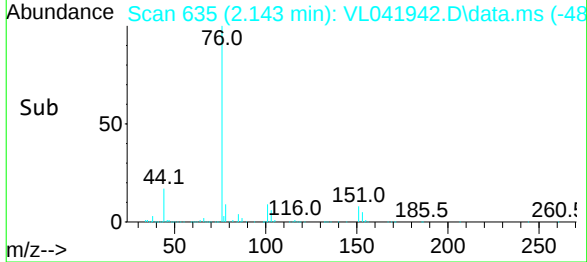
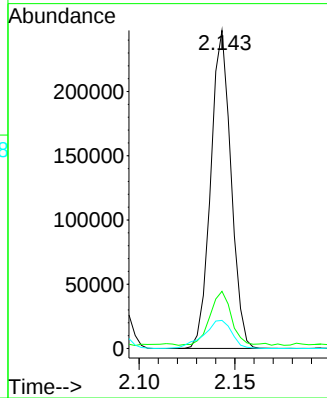
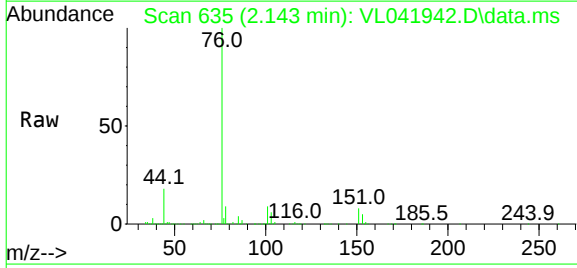
#27
Carbon Disulfide
Concen: 10.439 ppbv
RT: 2.143 min Scan# 63
Delta R.T. -0.013 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 76 Resp: 181852
Ion Ratio Lower Upper
76 100
44 18.2 15.4 23.0
78 12.3 9.3 13.9

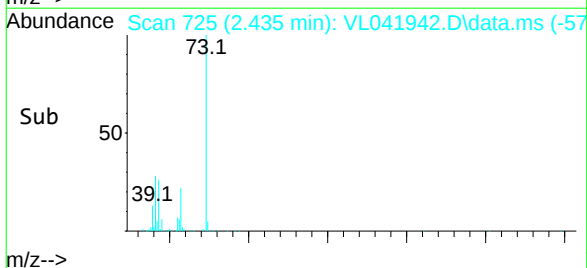
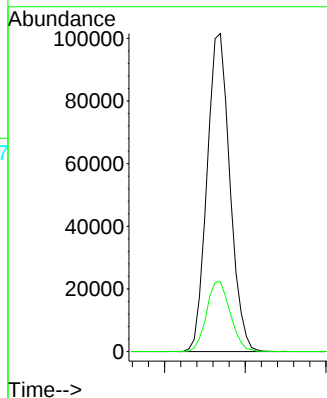
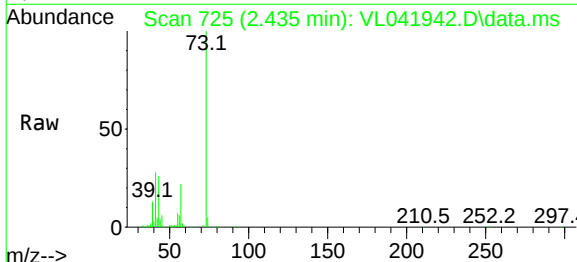
Manual Integrations
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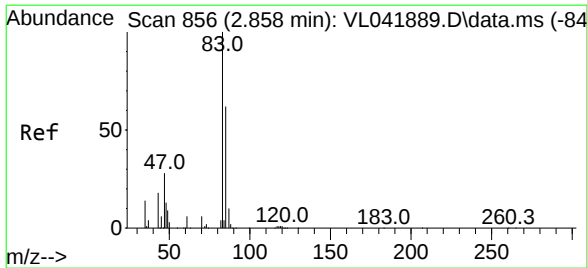
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#28
Methyl tert-Butyl Ether
Concen: 7.438 ppbv
RT: 2.435 min Scan# 725
Delta R.T. -0.016 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Tgt Ion: 73 Resp: 100086
Ion Ratio Lower Upper
73 100
57 22.9 18.1 27.1





#29

Chloroform

Concen: 11.005 ppbv

RT: 2.839 min Scan# 85

Delta R.T. -0.019 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 306260

Ion Ratio Lower Upper

83 100

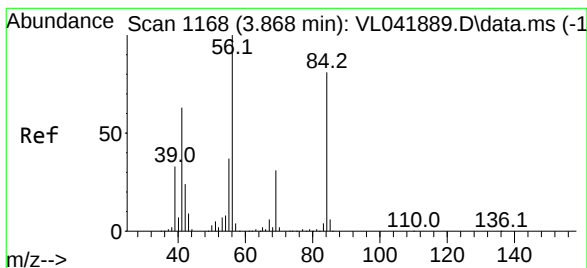
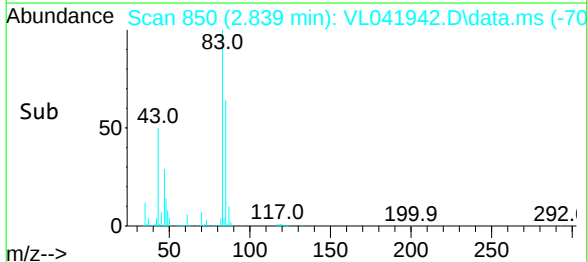
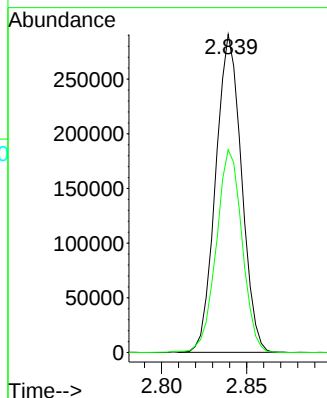
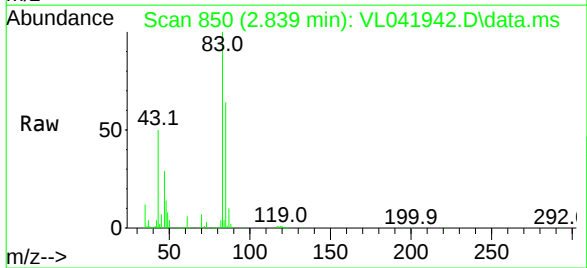
85 63.7 50.1 75.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#30

Cyclohexane

Concen: 10.667 ppbv

RT: 3.842 min Scan# 1160

Delta R.T. -0.025 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

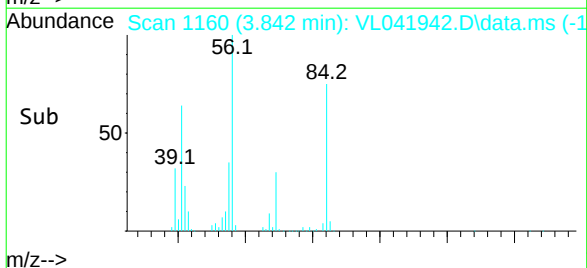
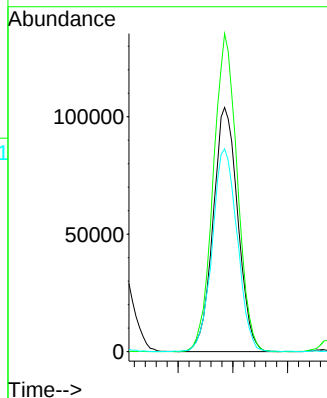
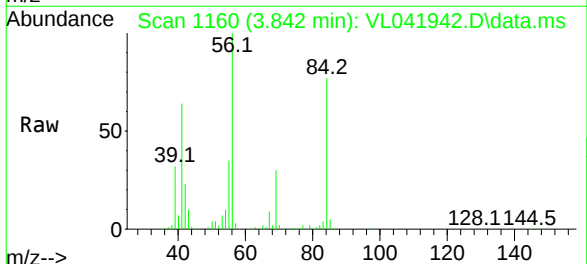
Tgt Ion: 84 Resp: 162877

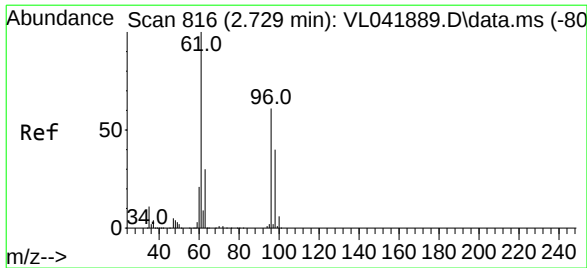
Ion Ratio Lower Upper

84 100

56 126.1 99.3 148.9

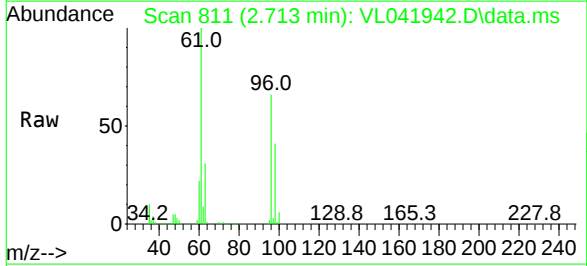
41 84.0 64.3 96.5





#31
 cis-1,2-Dichloroethene
 Concen: 10.400 ppbv
 RT: 2.713 min Scan# 81
 Delta R.T. -0.016 min
 Lab File: VL041942.D
 Acq: 21 Jan 2025 12:06

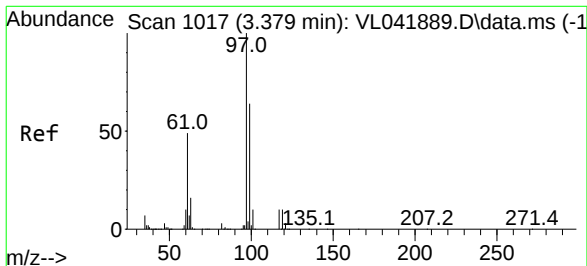
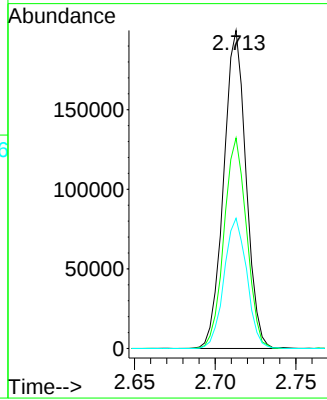
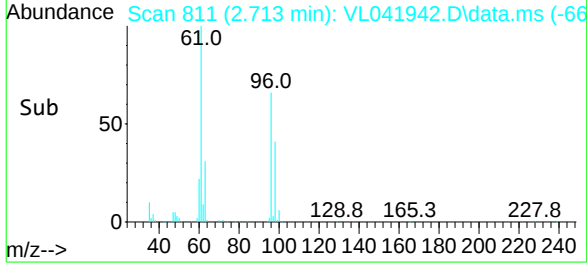
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



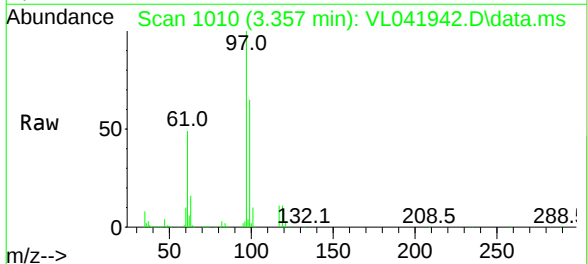
Tgt Ion: 61 Resp: 192783
 Ion Ratio Lower Upper
 61 100
 96 66.2 48.7 73.1
 98 40.9 31.6 47.4

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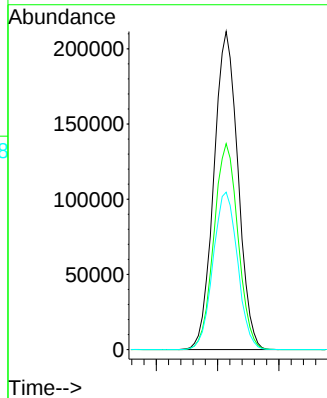
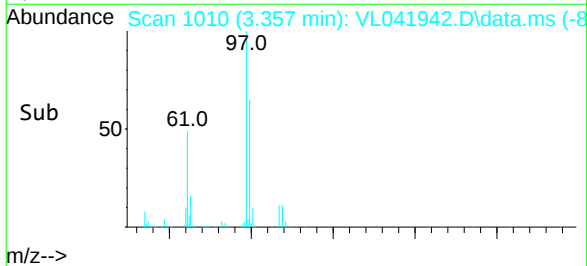
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025

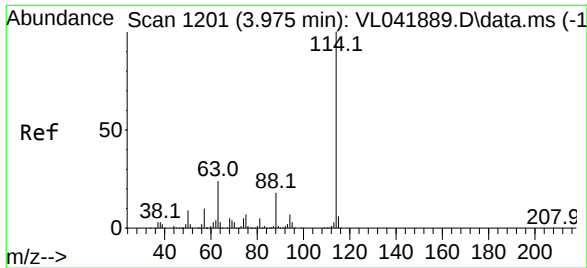


#32
 1,1,1-Trichloroethane
 Concen: 10.861 ppbv
 RT: 3.357 min Scan# 1010
 Delta R.T. -0.022 min
 Lab File: VL041942.D
 Acq: 21 Jan 2025 12:06



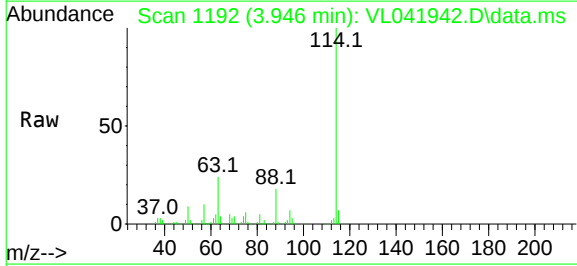
Tgt Ion: 97 Resp: 289204
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.1 76.7
 61 50.3 39.0 58.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.946 min Scan# 11
Delta R.T. -0.029 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

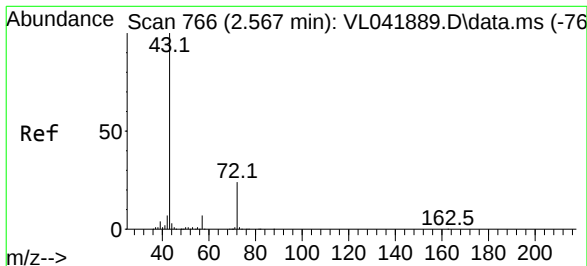
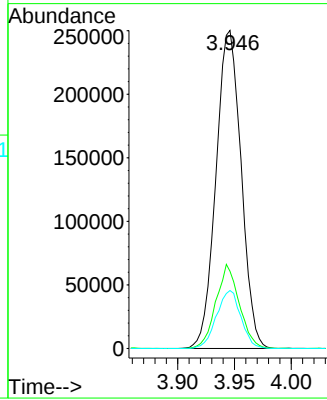
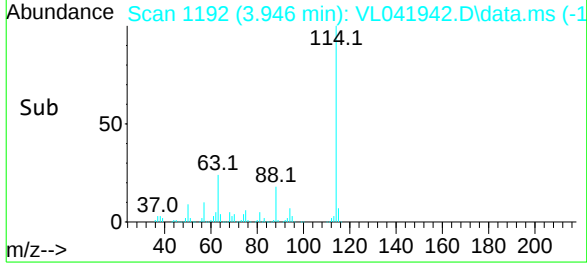
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 114 Resp: 385452
Ion Ratio Lower Upper
114 100
63 24.6 19.8 29.6
88 17.6 14.4 21.6

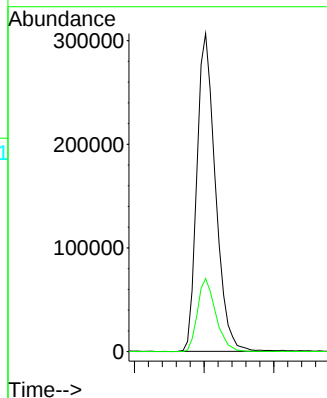
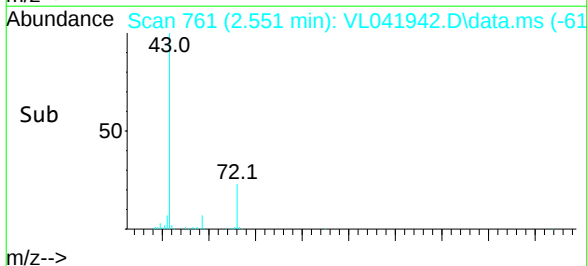
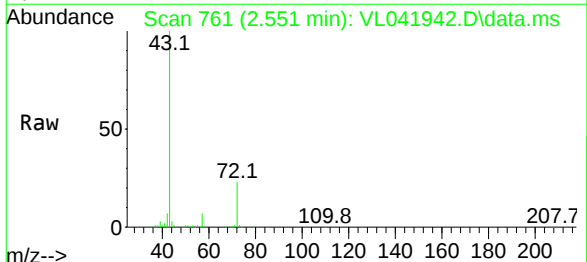
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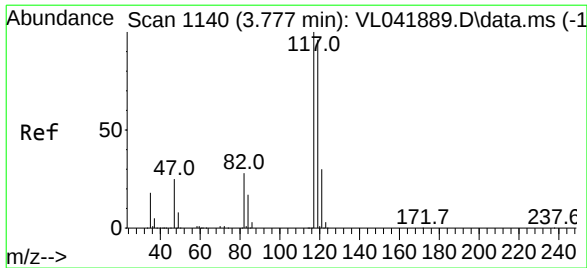
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#34
2-Butanone
Concen: 11.558 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.016 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Tgt Ion: 43 Resp: 283318
Ion Ratio Lower Upper
43 100
72 22.6 18.6 28.0





#35

Carbon Tetrachloride

Concen: 12.275 ppbv

RT: 3.749 min Scan# 11

Delta R.T. -0.029 min

Lab File: VL041942.D

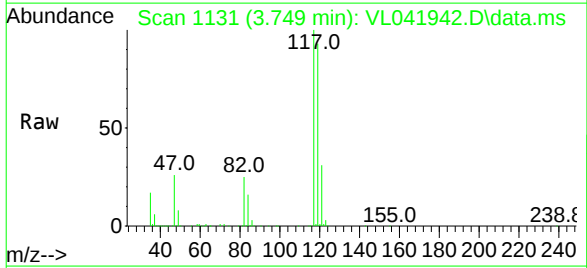
Acq: 21 Jan 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion: 117 Resp: 297189

Ion Ratio Lower Upper

117 100

119 93.0 76.9 115.3

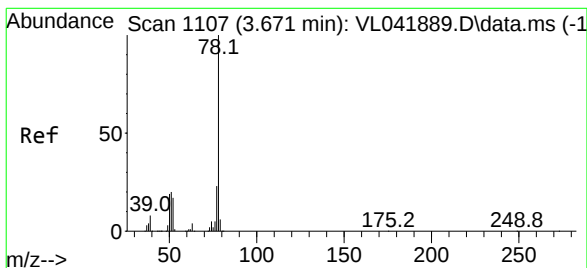
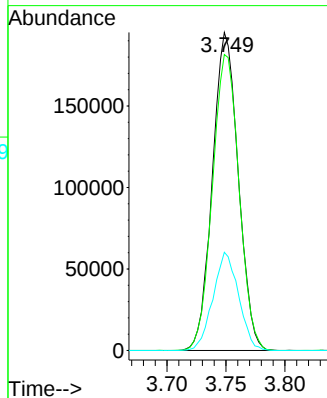
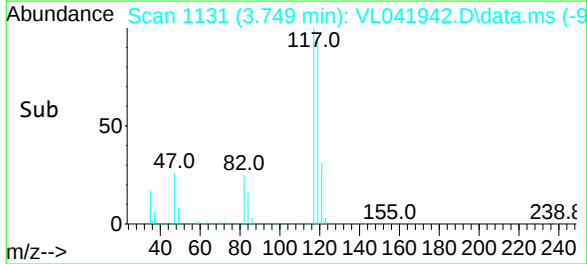
121 30.9 23.8 35.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#36

Benzene

Concen: 11.358 ppbv

RT: 3.642 min Scan# 1098

Delta R.T. -0.029 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

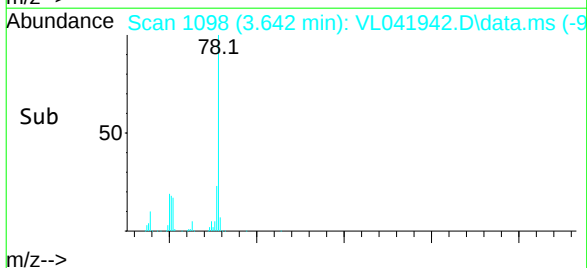
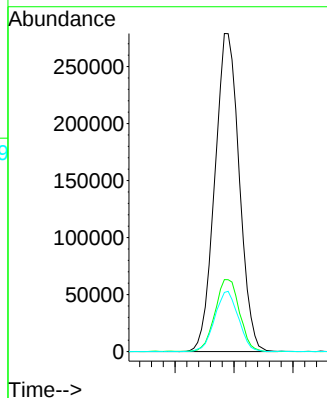
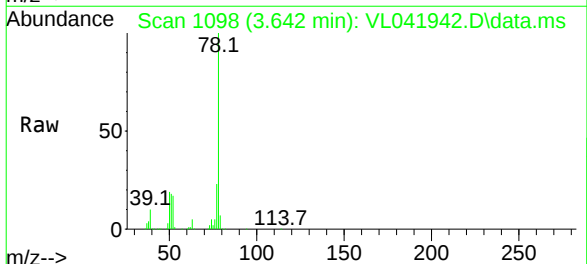
Tgt Ion: 78 Resp: 401541

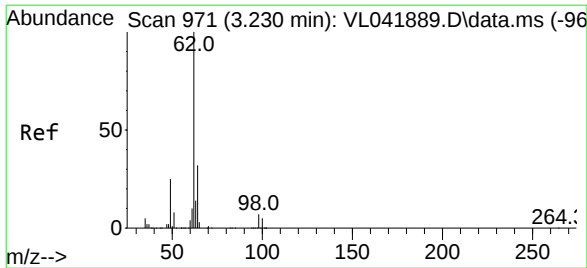
Ion Ratio Lower Upper

78 100

77 22.6 18.1 27.1

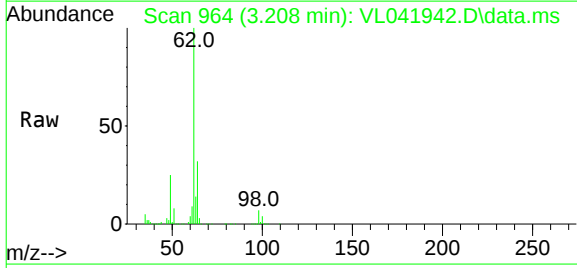
50 18.6 15.2 22.8





#37
1,2-Dichloroethane
Concen: 11.490 ppbv
RT: 3.208 min Scan# 96
Delta R.T. -0.022 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

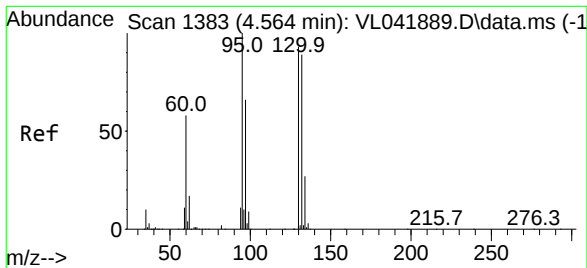
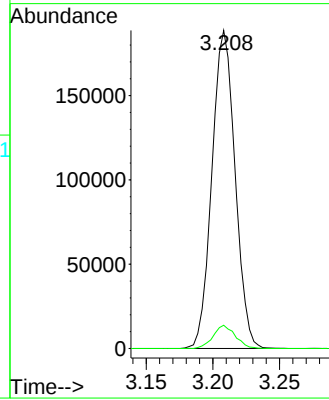
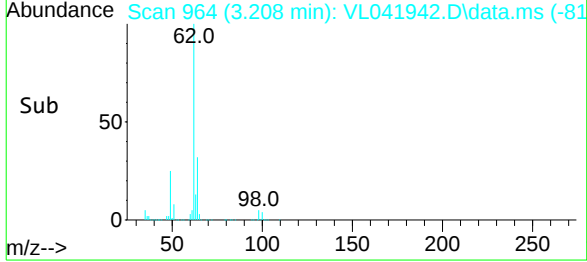
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 62 Resp: 228138
Ion Ratio Lower Upper
62 100
98 7.0 5.4 8.0

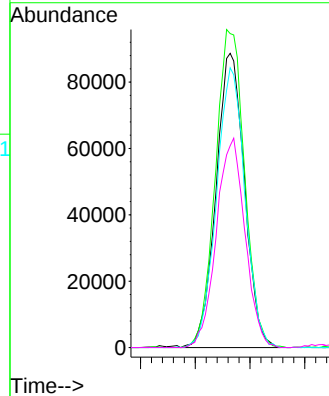
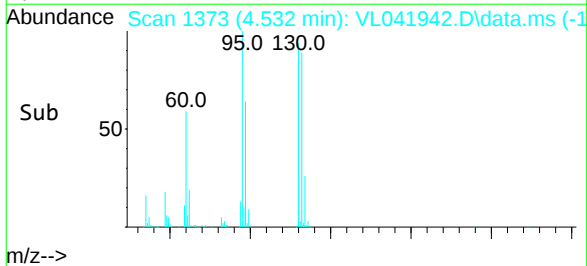
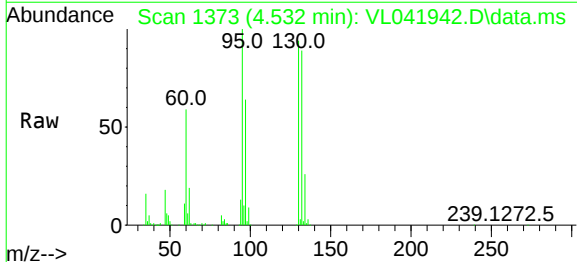
Manual Integrations
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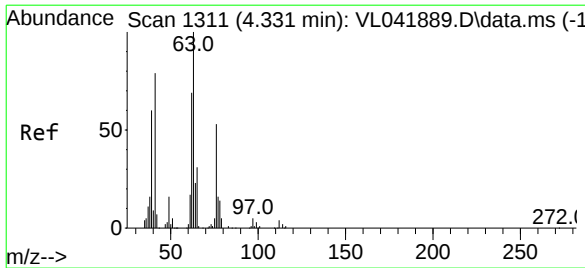
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#38
Trichloroethene
Concen: 11.413 ppbv
RT: 4.532 min Scan# 1373
Delta R.T. -0.032 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

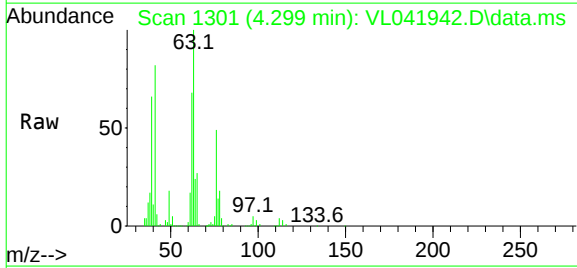
Tgt Ion:130 Resp: 160118
Ion Ratio Lower Upper
130 100
95 106.7 85.8 128.8
132 95.0 76.5 114.7
97 68.6 56.8 85.2





#39
1,2-Dichloropropane
Concen: 11.202 ppbv
RT: 4.299 min Scan# 1311
Delta R.T. -0.032 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

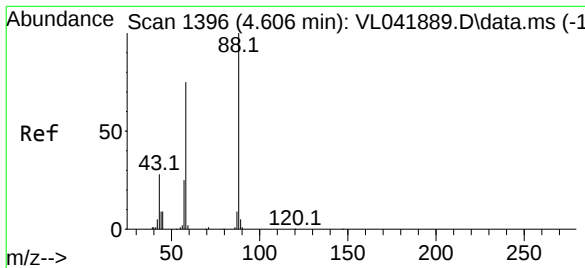
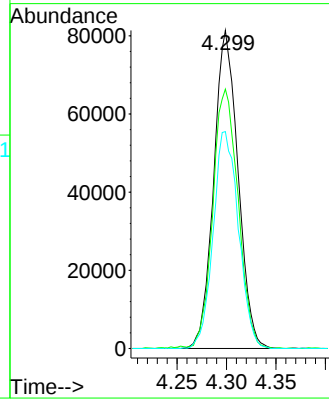
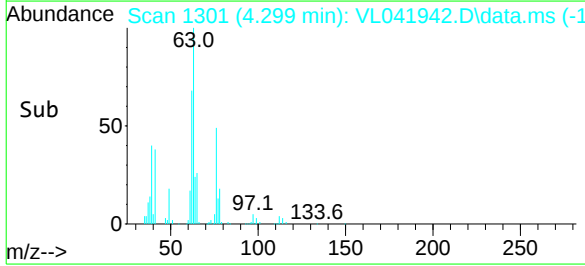
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



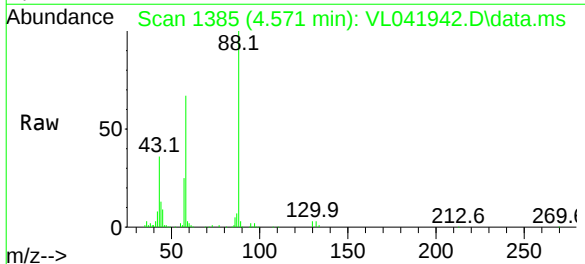
Tgt Ion: 63 Resp: 138923
Ion Ratio Lower Upper
63 100
41 81.3 63.7 95.5
62 68.2 55.4 83.2

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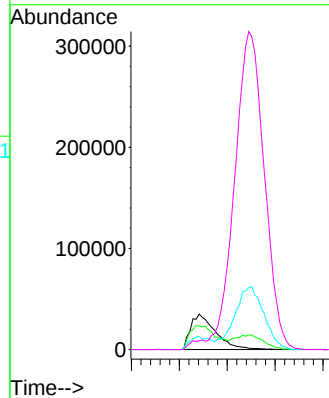
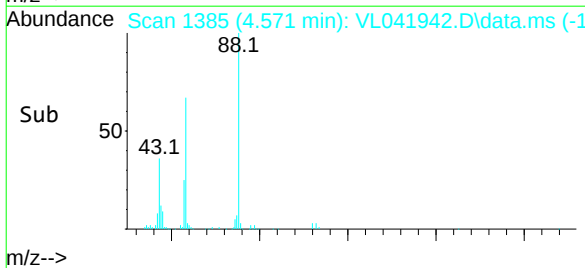
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

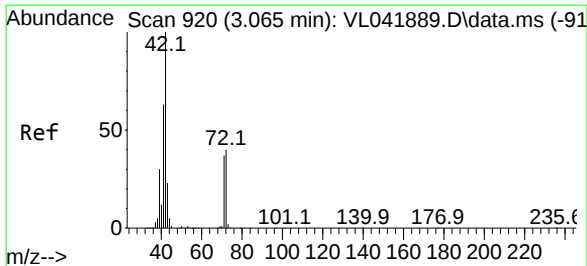


#40
1,4-Dioxane
Concen: 10.089 ppbv
RT: 4.571 min Scan# 1385
Delta R.T. -0.035 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06



Tgt Ion: 88 Resp: 63186
Ion Ratio Lower Upper
88 100
58 71.2 62.1 93.1
43 0.0 0.0 0.0
57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 11.856 ppbv

RT: 3.046 min Scan# 91

Delta R.T. -0.019 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 42 Resp: 157946

Ion Ratio Lower Upper

42 100

72 38.8 32.3 48.5

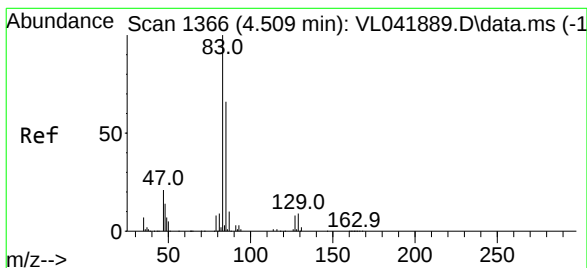
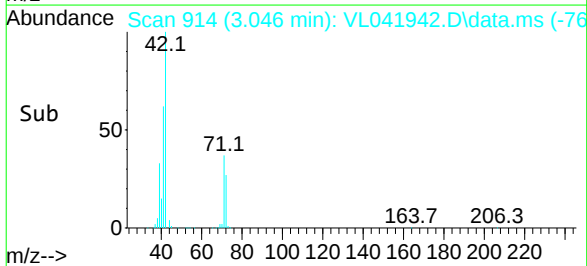
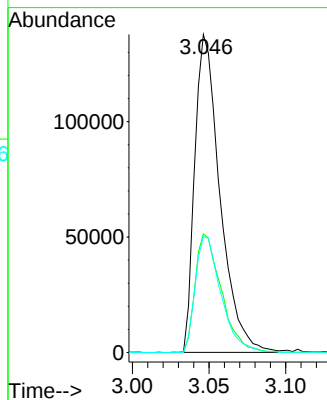
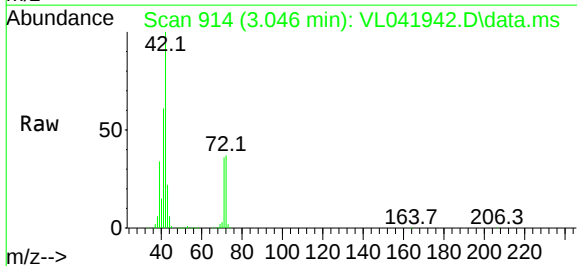
71 37.4 29.9 44.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#42

Bromodichloromethane

Concen: 11.615 ppbv

RT: 4.474 min Scan# 1355

Delta R.T. -0.035 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

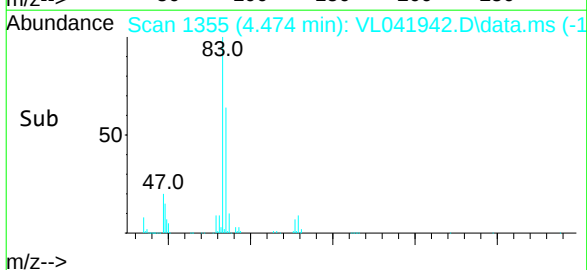
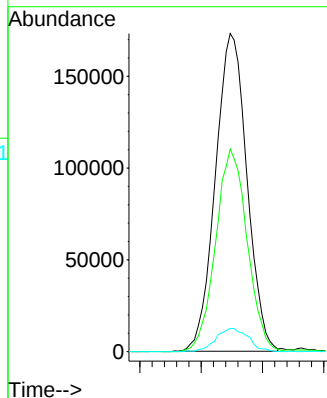
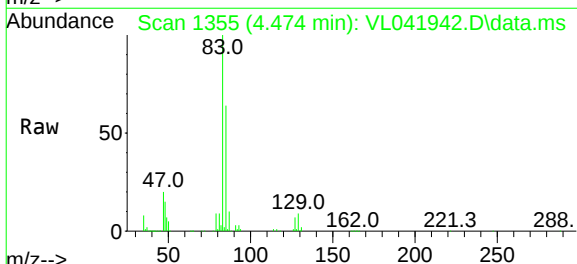
Tgt Ion: 83 Resp: 309222

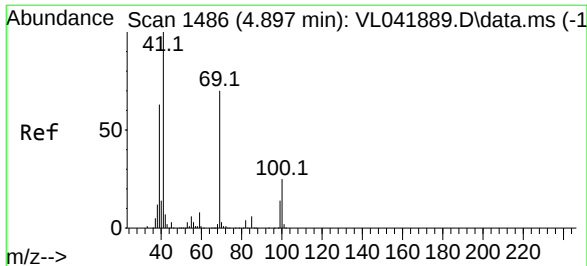
Ion Ratio Lower Upper

83 100

85 63.8 52.6 78.8

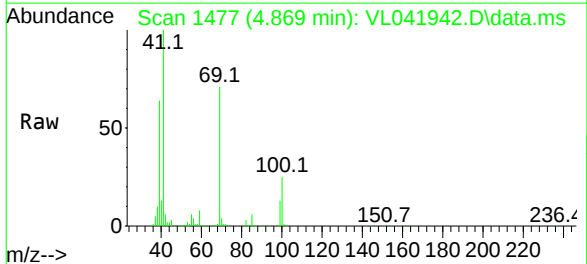
127 7.3 6.4 9.6





#43
Methyl Methacrylate
Concen: 11.336 ppbv
RT: 4.869 min Scan# 1487
Delta R.T. -0.029 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

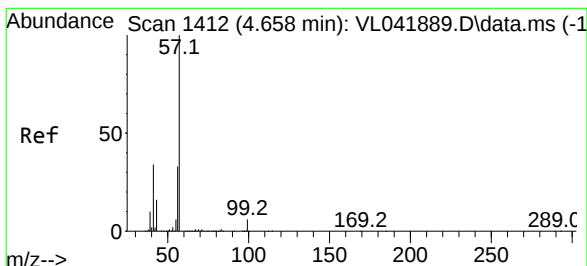
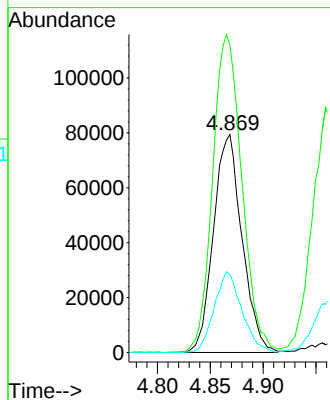
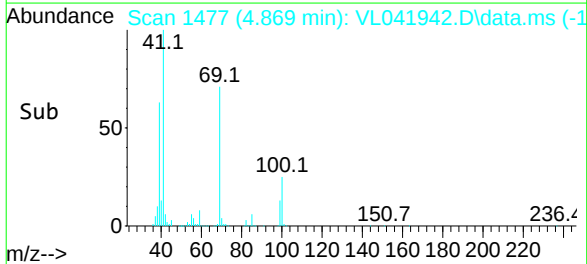
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



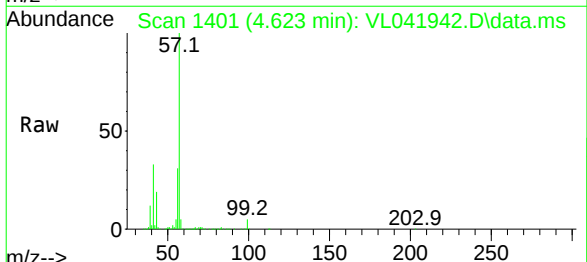
Tgt Ion: 69 Resp: 148876
Ion Ratio Lower Upper
69 100
41 149.9 118.6 177.8
100 35.9 29.3 43.9

Manual Integrations
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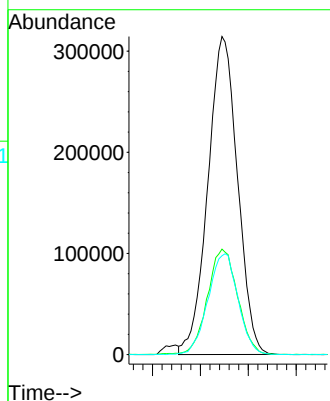
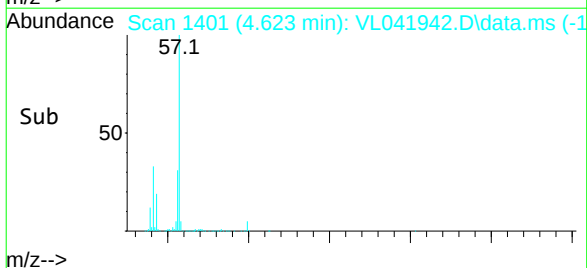
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

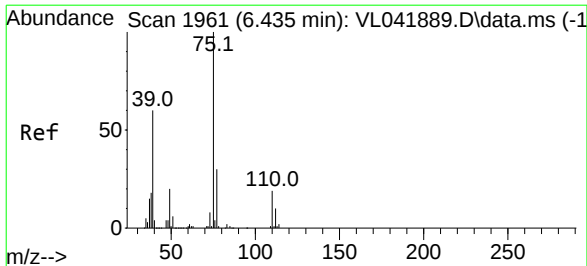


#44
2,2,4-Trimethylpentane
Concen: 11.826 ppbv
RT: 4.623 min Scan# 1401
Delta R.T. -0.035 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06



Tgt Ion: 57 Resp: 676235
Ion Ratio Lower Upper
57 100
41 33.7 26.6 40.0
56 32.1 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 11.120 ppbv

RT: 6.399 min Scan# 19

Delta R.T. -0.035 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 75 Resp: 136695

Ion Ratio Lower Upper

75 100

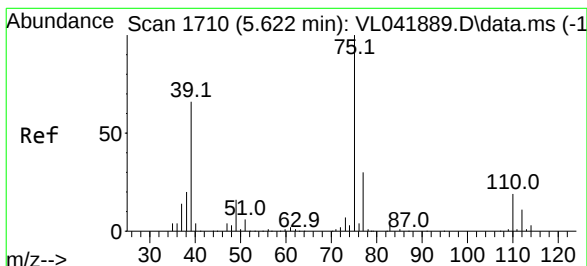
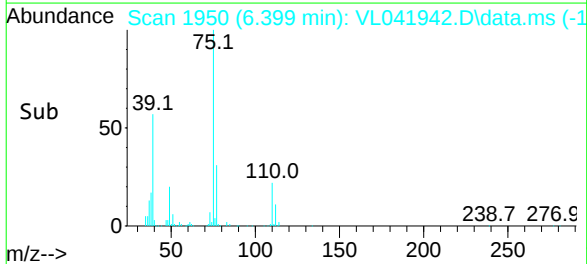
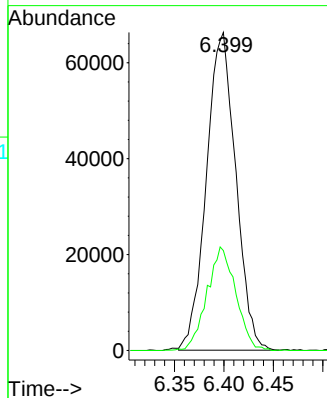
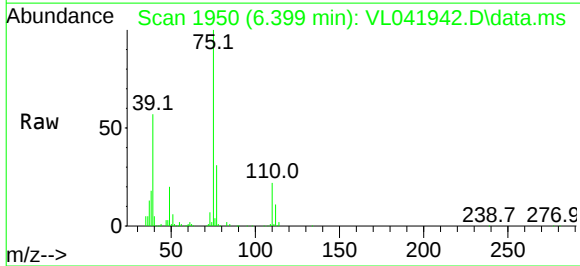
77 31.4 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#46

cis-1,3-Dichloropropene

Concen: 11.430 ppbv

RT: 5.581 min Scan# 1697

Delta R.T. -0.042 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

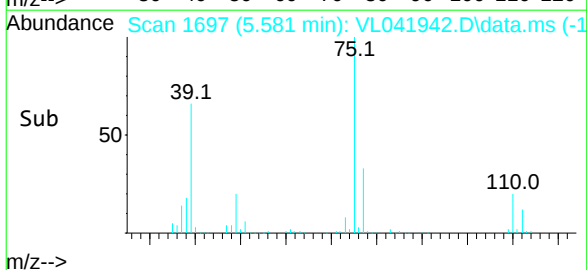
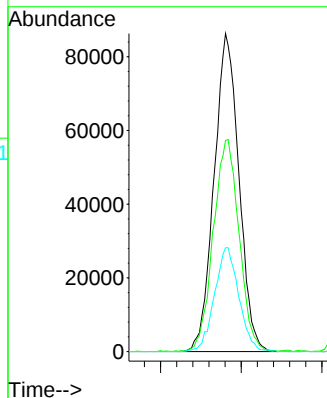
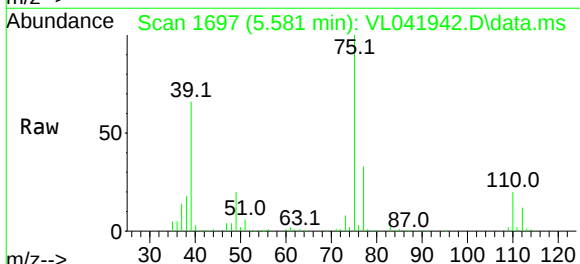
Tgt Ion: 75 Resp: 184480

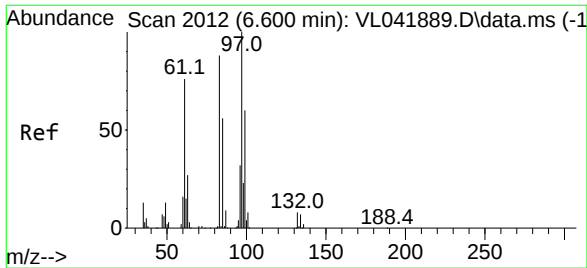
Ion Ratio Lower Upper

75 100

39 66.3 53.1 79.7

77 32.7 23.8 35.8





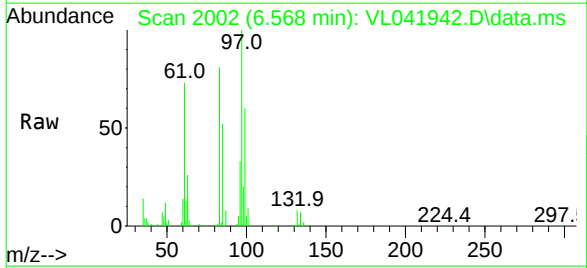
#47
1,1,2-Trichloroethane
Concen: 11.753 ppbv
RT: 6.568 min Scan# 2012
Delta R.T. -0.032 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

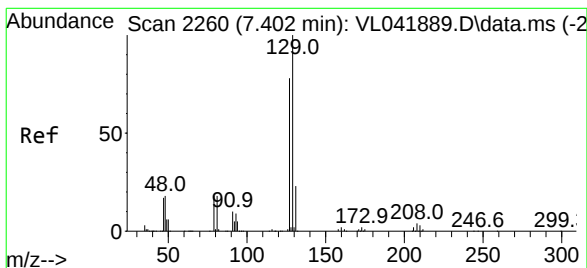
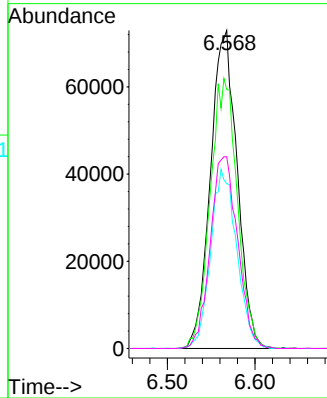
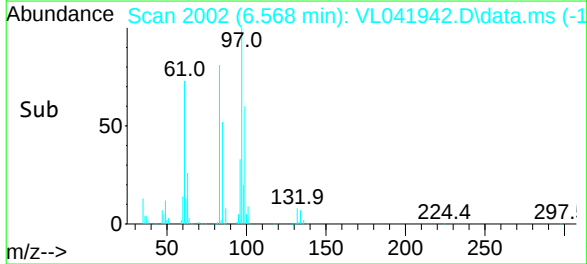


Tgt Ion: 97 Resp: 154476
Ion Ratio Lower Upper
97 100
83 81.3 70.4 105.6
85 51.8 45.0 67.4
99 60.3 48.1 72.1

Manual Integrations

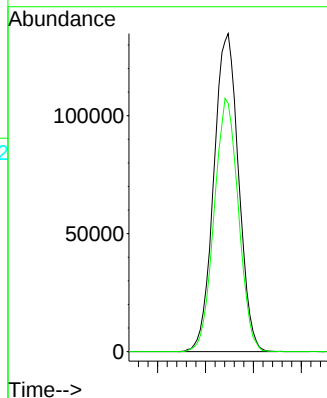
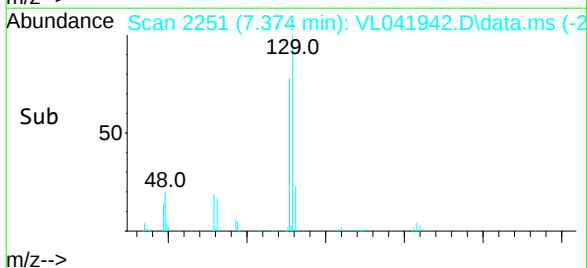
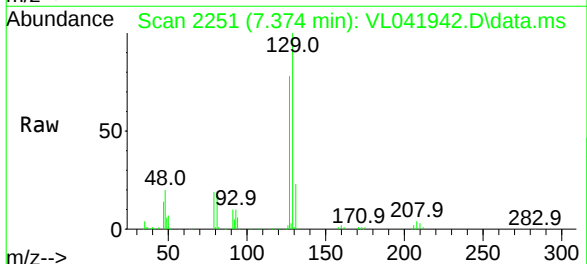
APPROVED

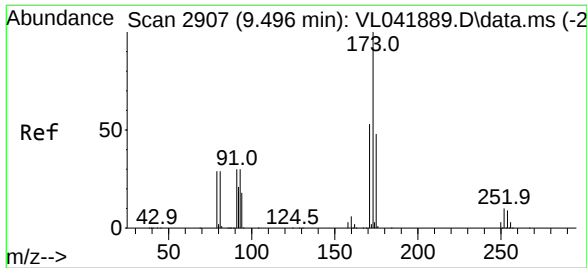
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#48
Dibromochloromethane
Concen: 11.945 ppbv
RT: 7.374 min Scan# 2251
Delta R.T. -0.029 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Tgt Ion:129 Resp: 242235
Ion Ratio Lower Upper
129 100
127 77.8 39.3 117.8





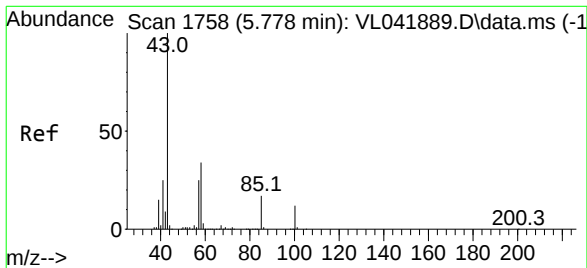
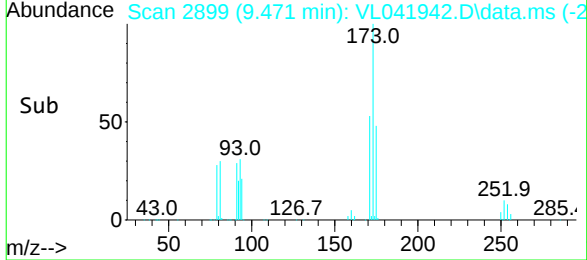
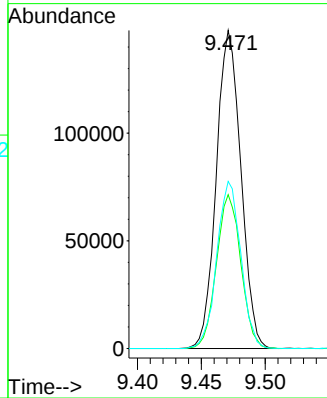
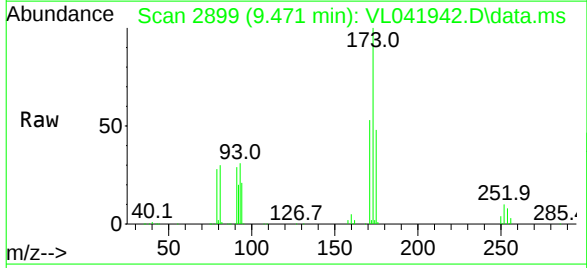
#49
Bromoform
Concen: 11.879 ppbv
RT: 9.471 min Scan# 28
Delta R.T. -0.025 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 197892
Ion Ratio Lower Upper
173 100
175 47.9 38.4 57.6
171 51.3 41.4 62.2

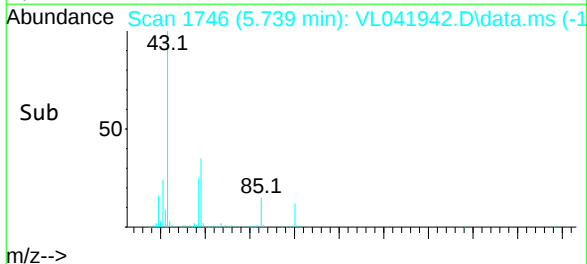
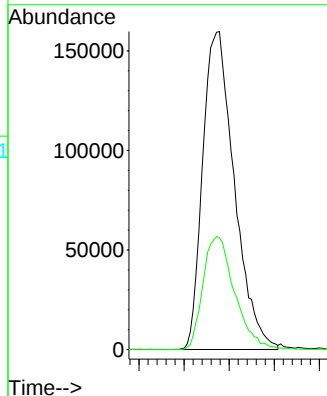
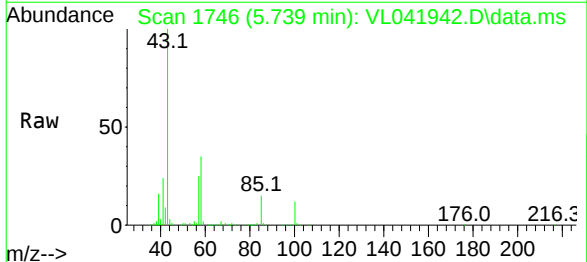
Manual Integrations
APPROVED

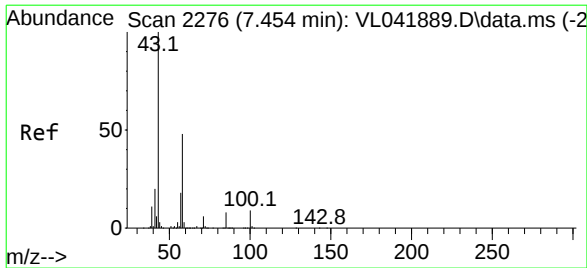
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#50
4-Methyl-2-Pentanone
Concen: 11.630 ppbv
RT: 5.739 min Scan# 1746
Delta R.T. -0.038 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

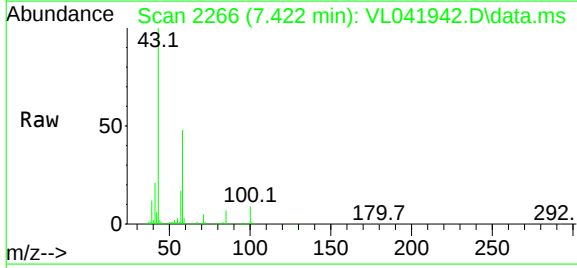
Tgt Ion: 43 Resp: 389196
Ion Ratio Lower Upper
43 100
58 35.8 29.0 43.6





#51
2-Hexanone
Concen: 12.205 ppbv
RT: 7.422 min Scan# 2276
Delta R.T. -0.032 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

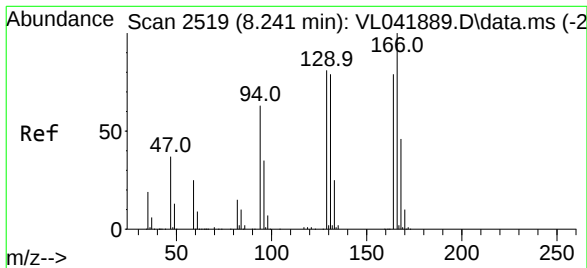
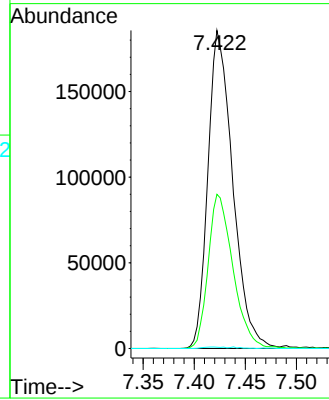
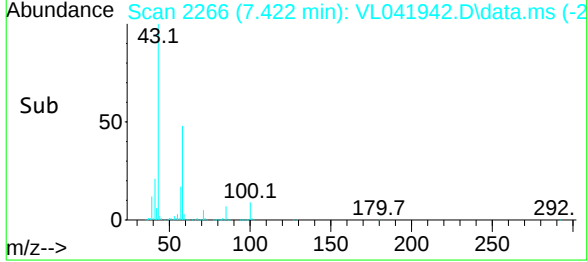
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 43 Resp: 313842
Ion Ratio Lower Upper
43 100
58 48.6 40.4 60.6
98 0.6 0.2 0.2

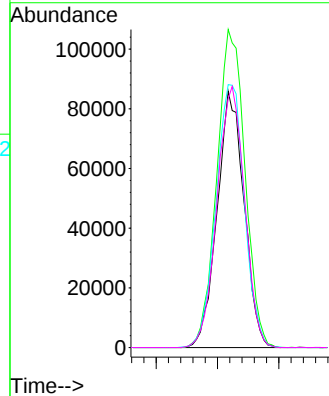
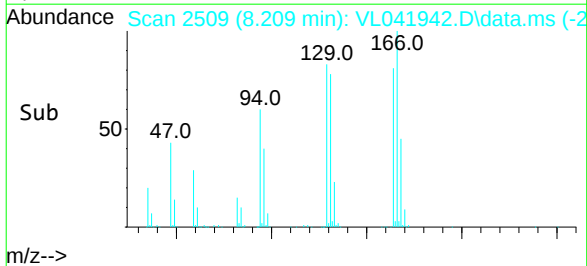
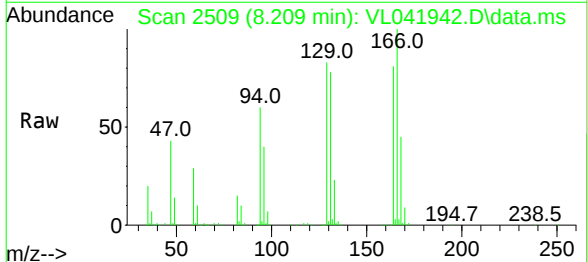
Manual Integrations
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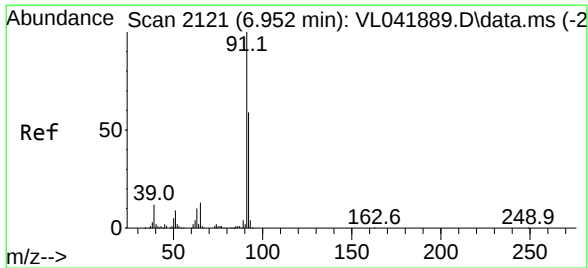
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#52
Tetrachloroethene
Concen: 10.664 ppbv
RT: 8.209 min Scan# 2509
Delta R.T. -0.032 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Tgt Ion:164 Resp: 130723
Ion Ratio Lower Upper
164 100
166 124.1 100.8 151.2
129 102.5 82.0 123.0
131 97.2 80.2 120.2





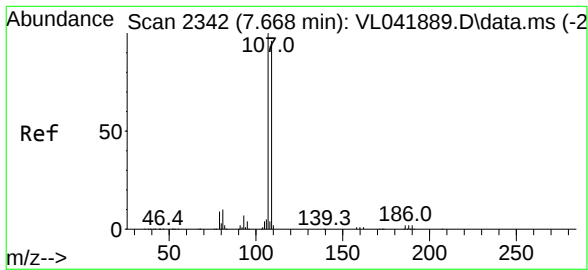
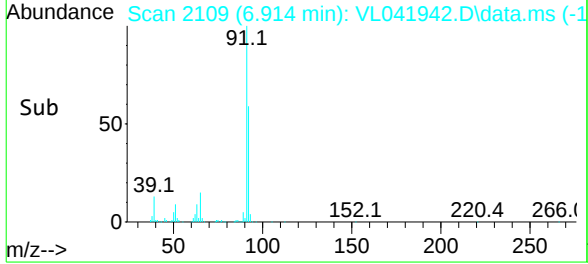
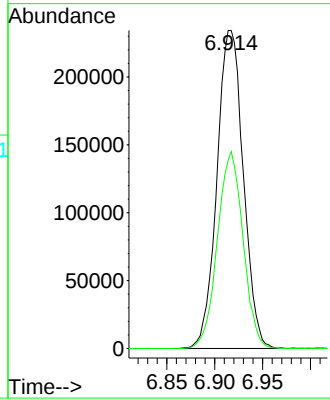
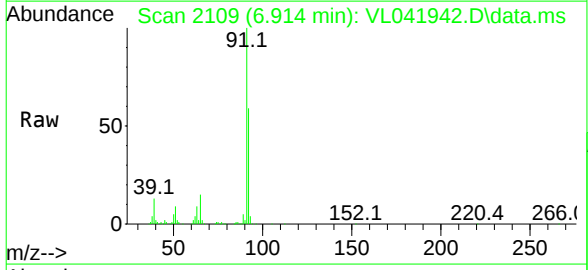
#53
Toluene
Concen: 11.647 ppbv
RT: 6.914 min Scan# 211
Delta R.T. -0.038 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 448531
Ion Ratio Lower Upper
91 100
92 60.2 47.4 71.0

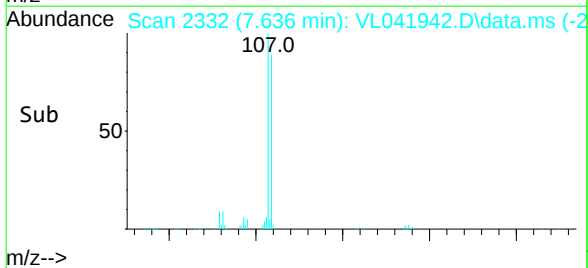
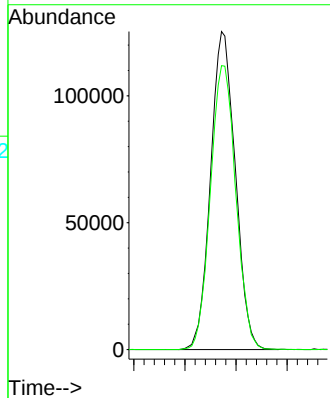
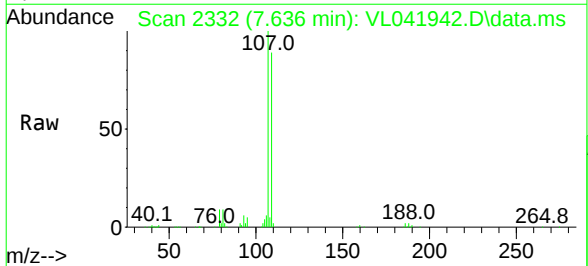
Manual Integrations
APPROVED

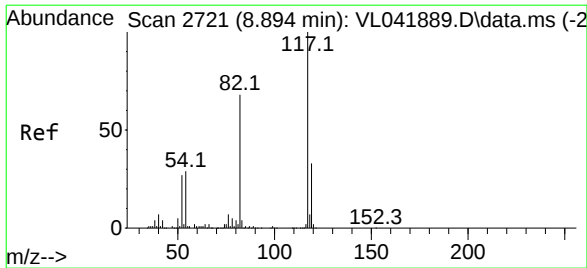
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#54
1,2-Dibromoethane
Concen: 11.656 ppbv
RT: 7.636 min Scan# 2332
Delta R.T. -0.032 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

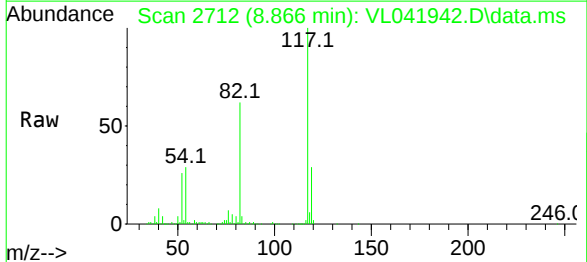
Tgt Ion:107 Resp: 210614
Ion Ratio Lower Upper
107 100
109 89.3 76.7 115.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.866 min Scan# 2721
Delta R.T. -0.029 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

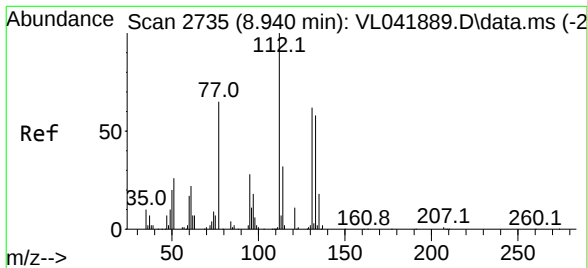
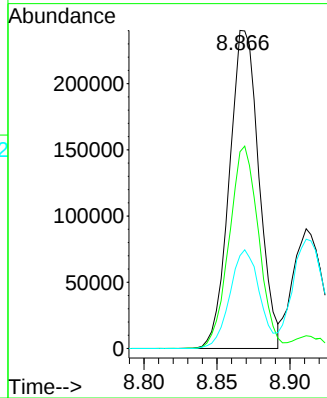
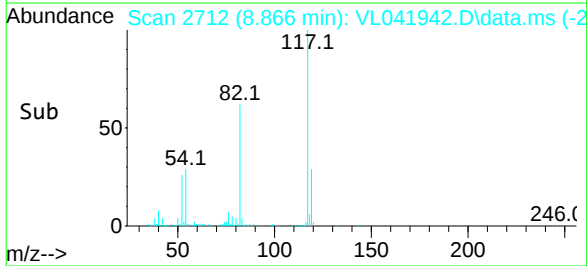
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



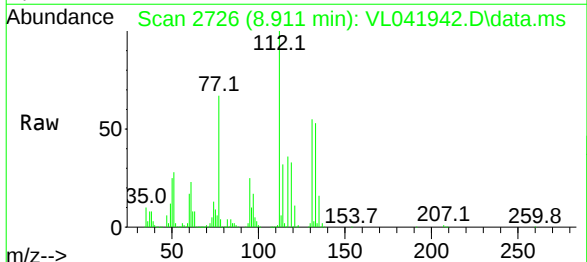
Tgt Ion:117 Resp: 338752
Ion Ratio Lower Upper
117 100
82 67.2 54.2 81.4
119 30.9 25.0 37.6

Manual Integrations
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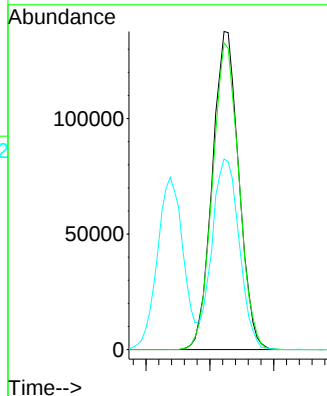
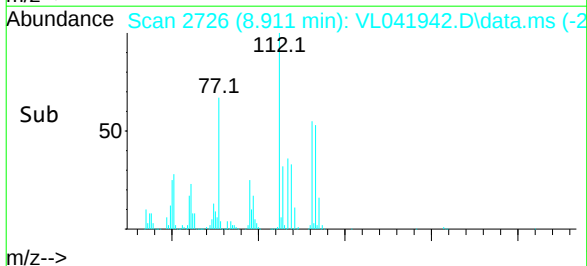
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

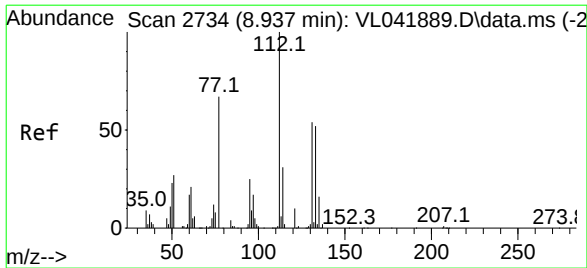


#56
1,1,1,2-Tetrachloroethane
Concen: 11.699 ppbv
RT: 8.911 min Scan# 2726
Delta R.T. -0.029 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06



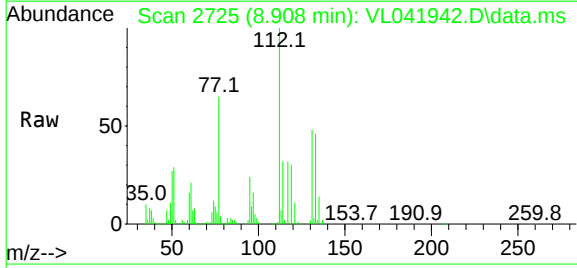
Tgt Ion:131 Resp: 197723
Ion Ratio Lower Upper
131 100
133 96.5 76.0 114.0
119 62.5 49.7 74.5





#57
Chlorobenzene
Concen: 11.600 ppbv
RT: 8.908 min Scan# 2734
Delta R.T. -0.029 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

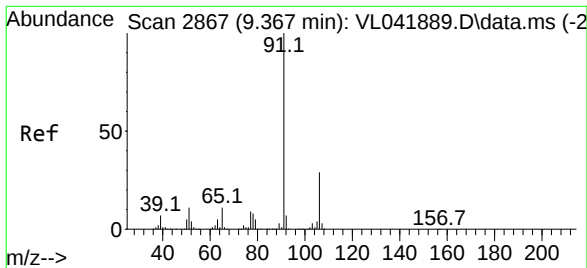
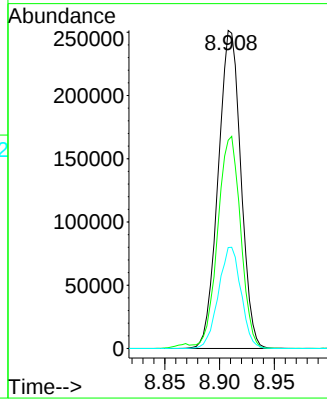
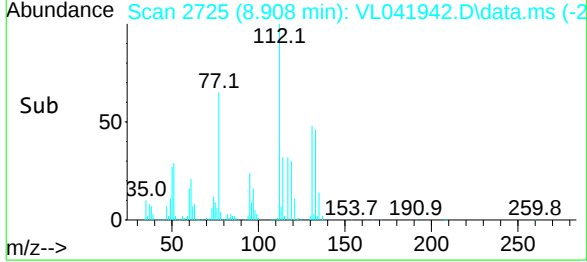
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 112 Resp: 362460
Ion Ratio Lower Upper
112 100
77 65.4 54.6 82.0
114 31.7 28.2 34.4

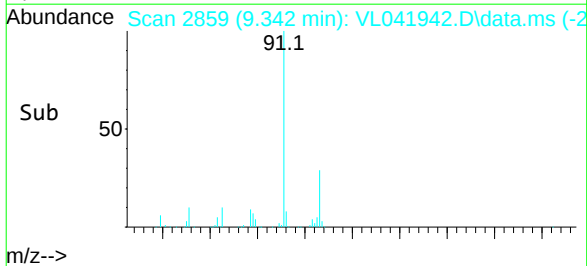
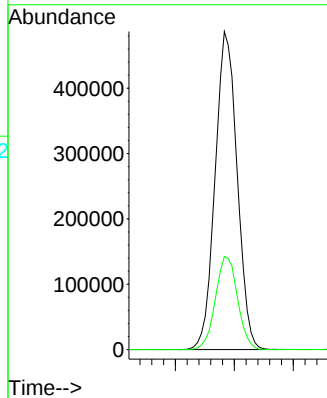
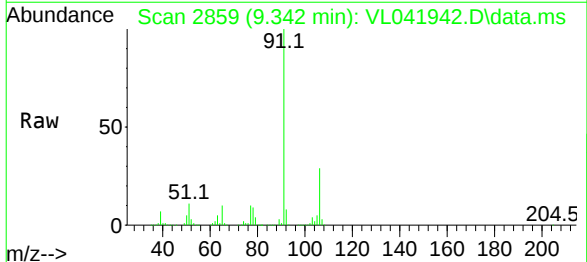
Manual Integrations
APPROVED

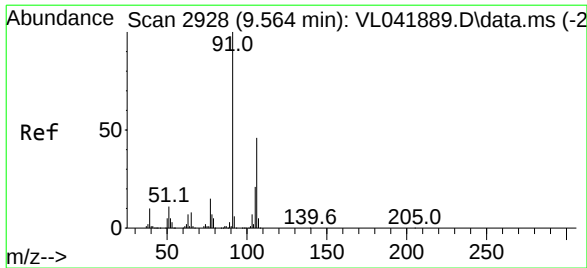
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#58
Ethyl Benzene
Concen: 11.929 ppbv
RT: 9.342 min Scan# 2859
Delta R.T. -0.025 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

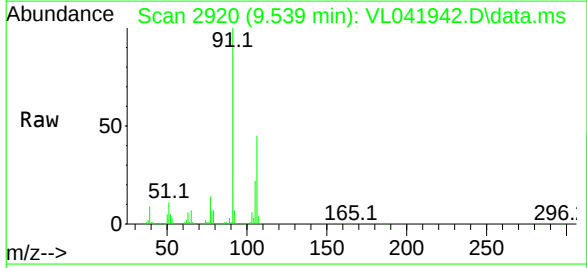
Tgt Ion: 91 Resp: 631517
Ion Ratio Lower Upper
91 100
106 29.3 23.1 34.7





#59
m/p-Xylene
Concen: 24.713 ppbv m
RT: 9.539 min Scan# 29
Delta R.T. -0.025 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

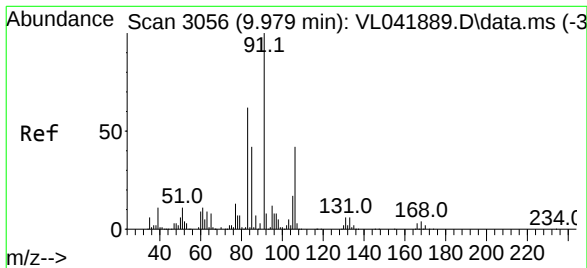
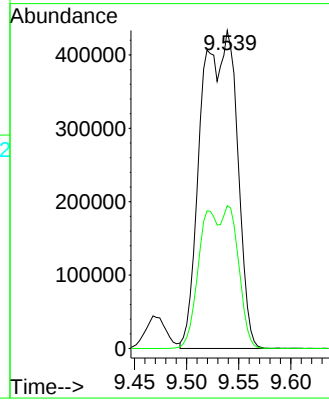
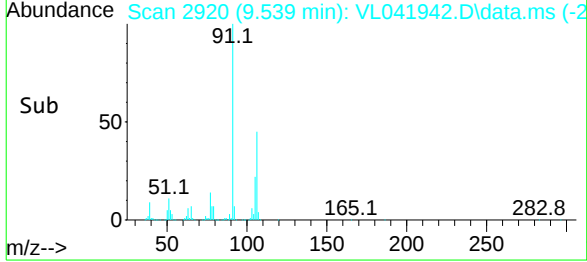
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 91 Resp: 1048668
Ion Ratio Lower Upper
91 100
106 45.7 36.0 54.0

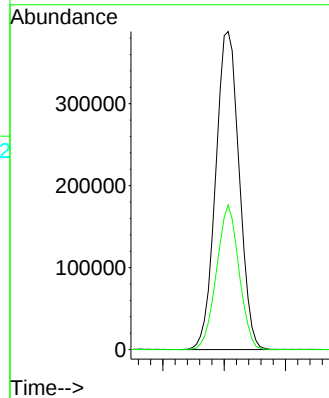
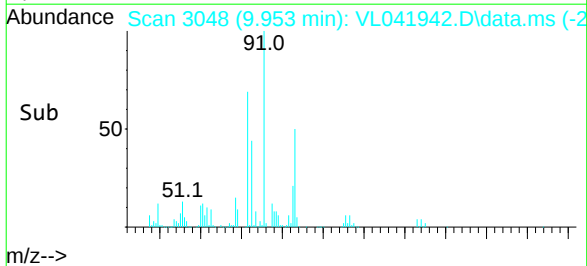
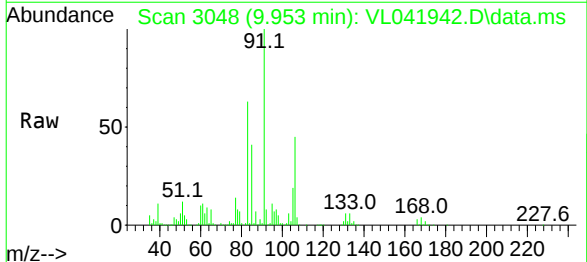
Manual Integrations
APPROVED

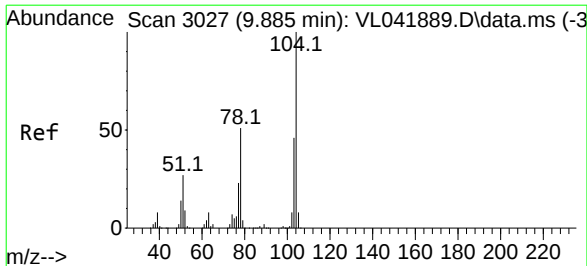
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#60
o-Xylene
Concen: 12.294 ppbv
RT: 9.953 min Scan# 3048
Delta R.T. -0.025 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Tgt Ion: 91 Resp: 517829
Ion Ratio Lower Upper
91 100
106 43.4 21.3 63.9





#61

Styrene

Concen: 12.371 ppbv

RT: 9.859 min Scan# 3027

Delta R.T. -0.025 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

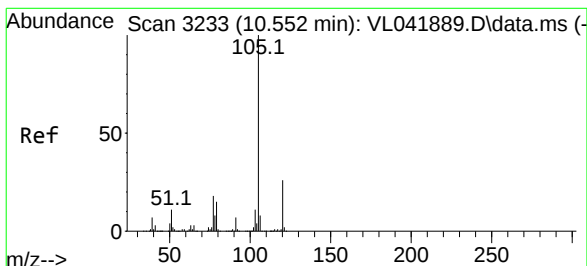
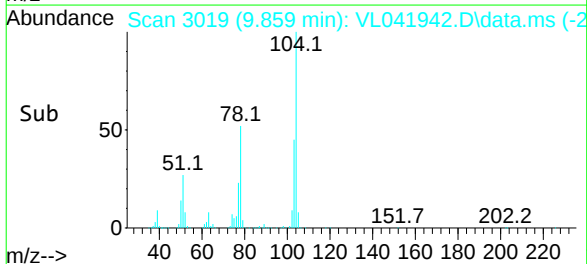
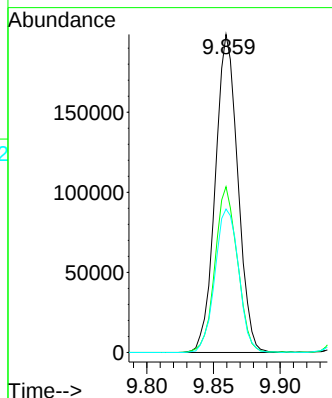
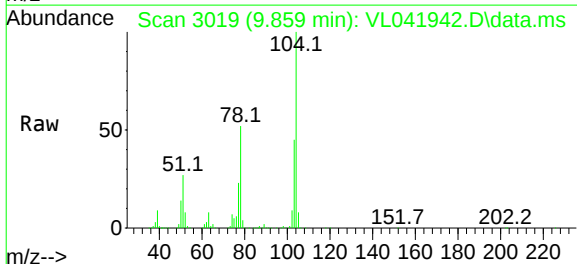
VSTDCCC010EC

Tgt Ion:	104	Resp:	233740
Ion Ratio	Lower	Upper	
104	100		
78	51.6	41.0	61.6
103	47.6	37.2	55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#62

Isopropylbenzene

Concen: 11.875 ppbv

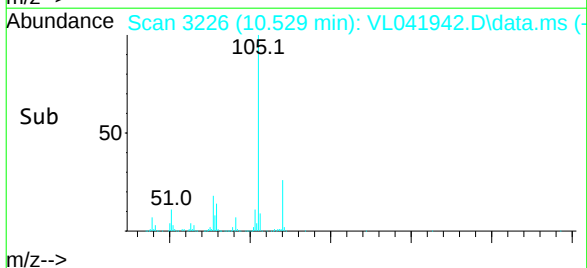
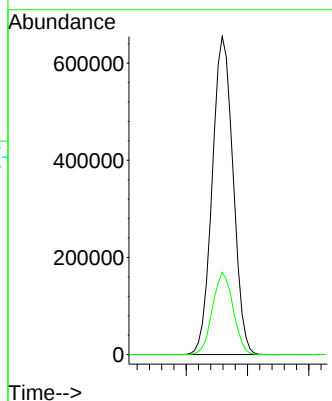
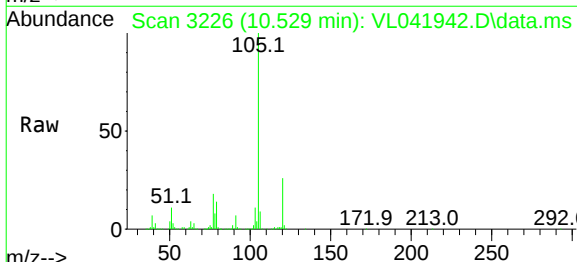
RT: 10.529 min Scan# 3226

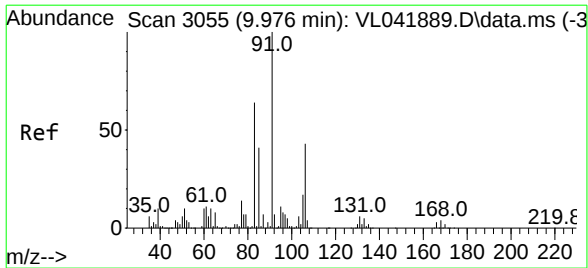
Delta R.T. -0.022 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

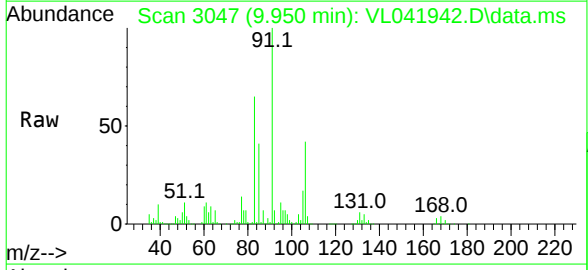
Tgt Ion:	105	Resp:	773940
Ion Ratio	Lower	Upper	
105	100		
120	25.7	20.3	30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 11.938 ppbv
RT: 9.950 min Scan# 3055
Delta R.T. -0.025 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

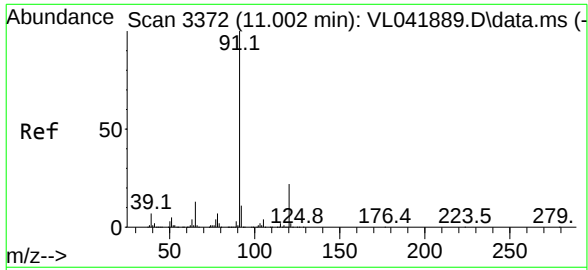
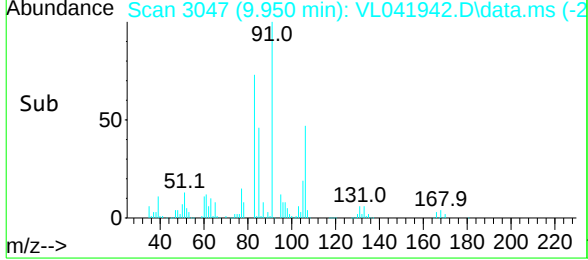
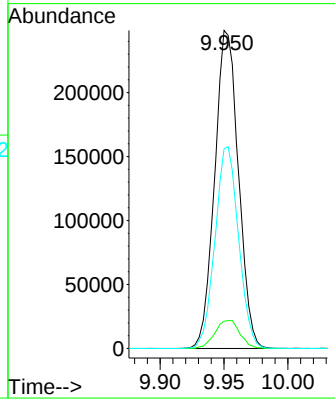
Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC



Tgt Ion:	83	Resp:	321312
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.8	14.4
85	63.0	32.4	97.2

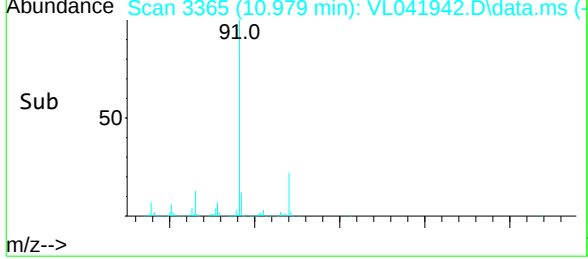
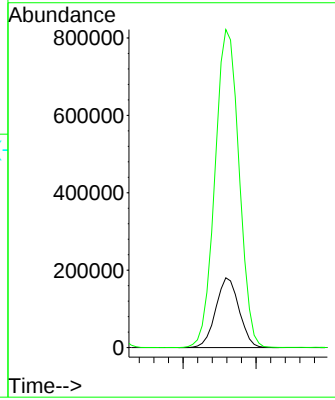
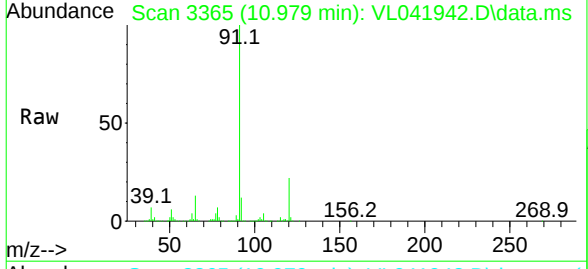
Manual Integrations
APPROVED

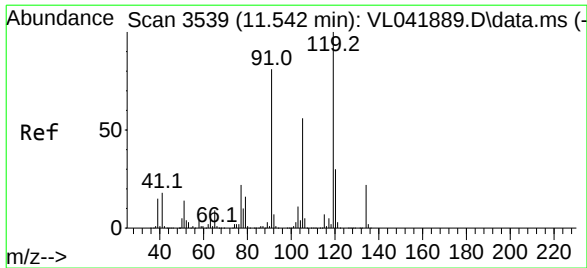
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#64
n-propylbenzene
Concen: 12.122 ppbv
RT: 10.979 min Scan# 3365
Delta R.T. -0.022 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Tgt Ion:	120	Resp:	199639
Ion	Ratio	Lower	Upper
120	100		
91	472.4	374.1	561.1





#65

tert-Butylbenzene

Concen: 11.600 ppbv

RT: 11.523 min Scan# 35

Delta R.T. -0.019 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

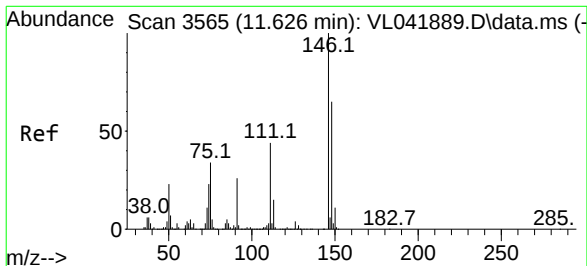
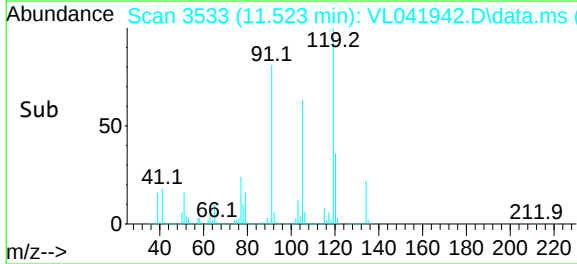
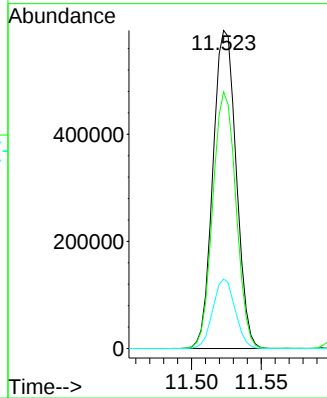
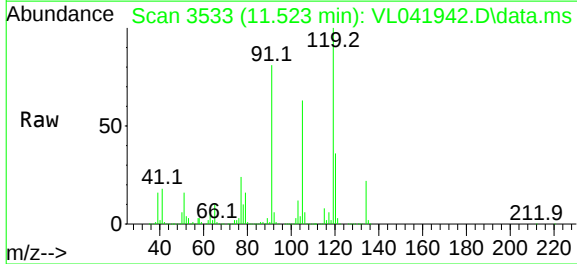
VSTDCCC010EC

Tgt Ion:	119	Resp:	689003
Ion Ratio	Lower	Upper	
119	100		
91	80.4	64.6	97.0
134	21.0	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#66

Benzyl Chloride

Concen: 9.571 ppbv

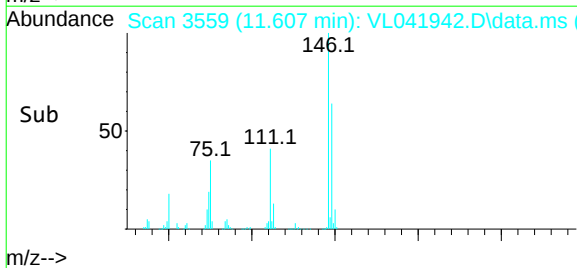
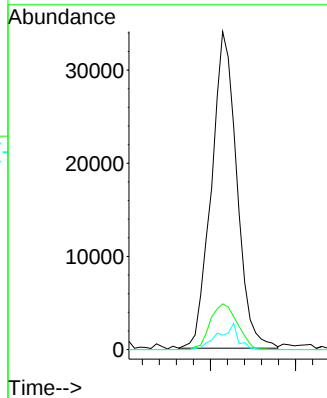
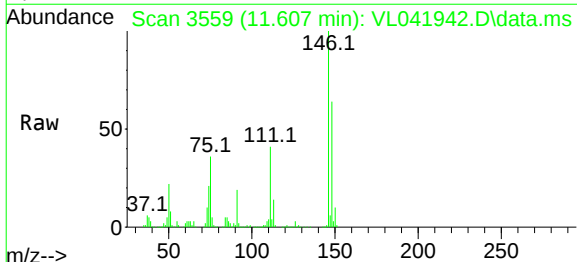
RT: 11.607 min Scan# 3559

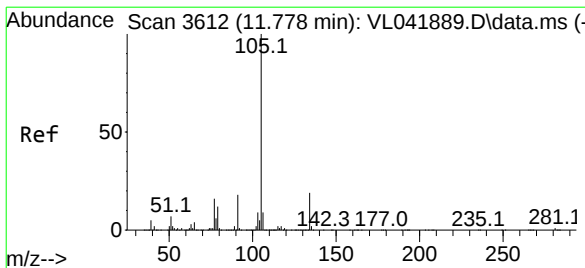
Delta R.T. -0.019 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

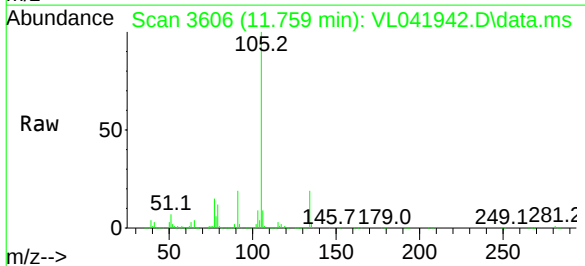
Tgt Ion:	91	Resp:	35185
Ion Ratio	Lower	Upper	
91	100		
126	15.5	14.1	21.1
128	6.4	4.3	6.5





#67
 sec-Butylbenzene
 Concen: 11.744 ppbv
 RT: 11.759 min Scan# 3612
 Delta R.T. -0.019 min
 Lab File: VL041942.D
 Acq: 21 Jan 2025 12:06

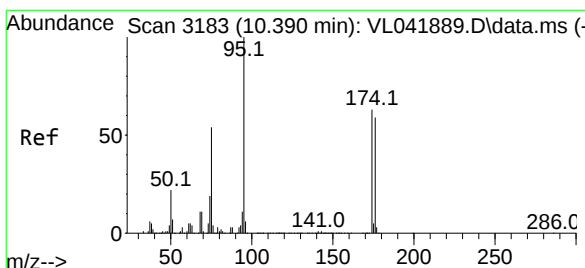
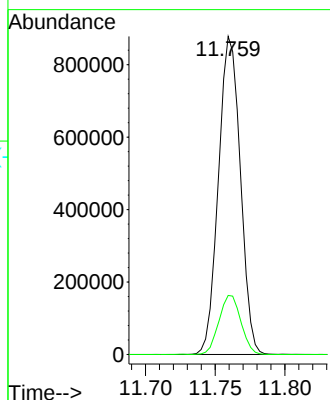
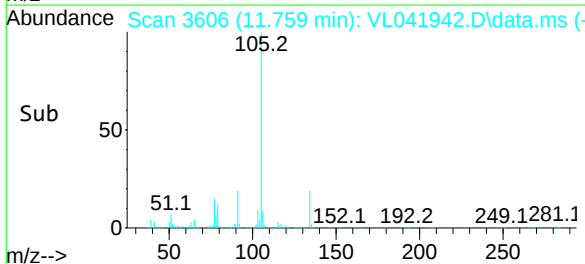
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion: 105 Resp: 960511
 Ion Ratio Lower Upper
 105 100
 134 18.7 15.1 22.7

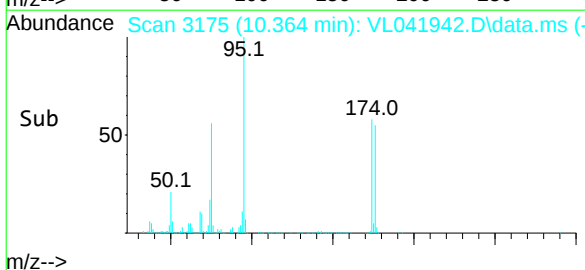
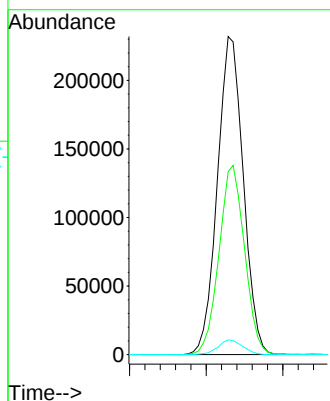
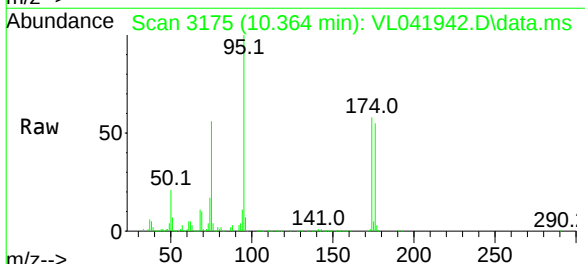
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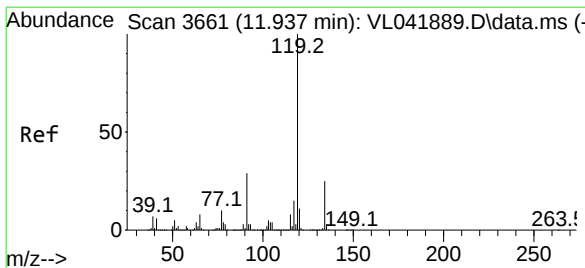
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.213 ppbv
 RT: 10.364 min Scan# 3175
 Delta R.T. -0.025 min
 Lab File: VL041942.D
 Acq: 21 Jan 2025 12:06

Tgt Ion: 95 Resp: 272495
 Ion Ratio Lower Upper
 95 100
 174 58.8 49.0 73.4
 175 4.4 3.8 5.8





#69

p-Isopropyltoluene

Concen: 11.909 ppbv

RT: 11.918 min Scan# 3661

Delta R.T. -0.019 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

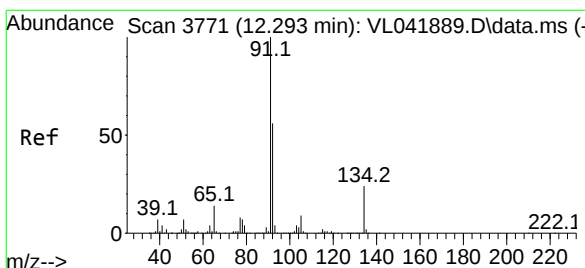
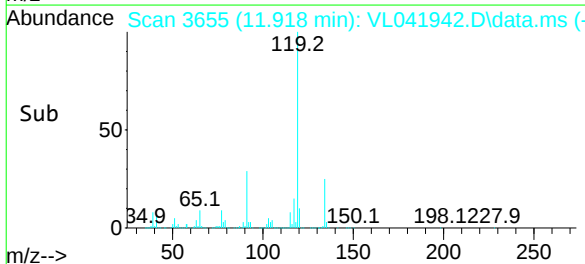
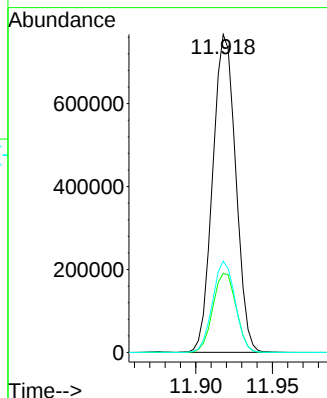
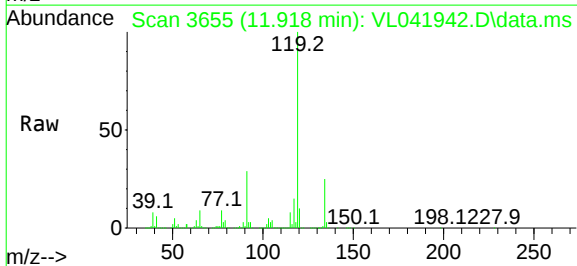
VSTDCCC010EC

Tgt Ion:	119	Resp:	802032
Ion Ratio	Lower	Upper	
119	100		
134	25.3	19.8	29.6
91	28.3	23.0	34.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#70

n-Butylbenzene

Concen: 11.661 ppbv

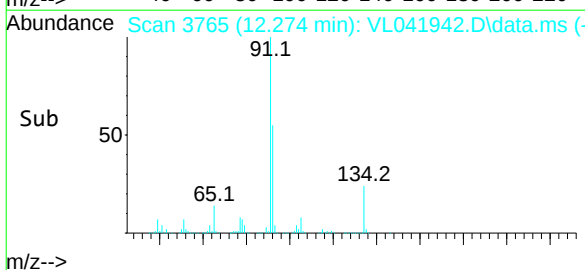
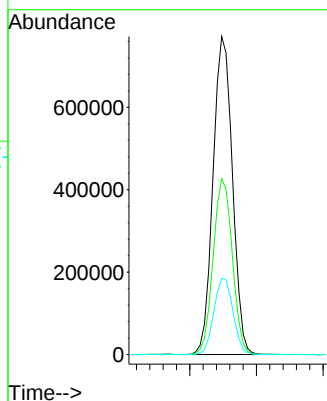
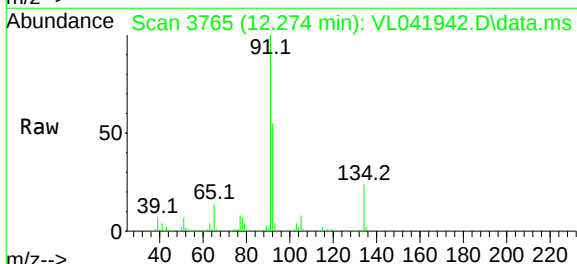
RT: 12.274 min Scan# 3765

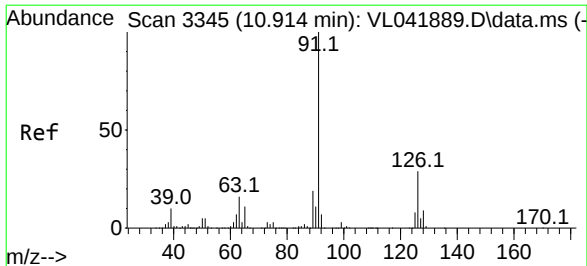
Delta R.T. -0.019 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

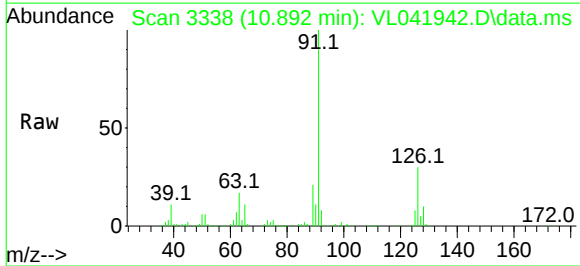
Tgt Ion:	91	Resp:	778886
Ion Ratio	Lower	Upper	
91	100		
92	54.9	43.8	65.6
134	23.8	19.0	28.6





#71
2-Chlorotoluene
Concen: 11.864 ppbv
RT: 10.892 min Scan# 3345
Delta R.T. -0.022 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

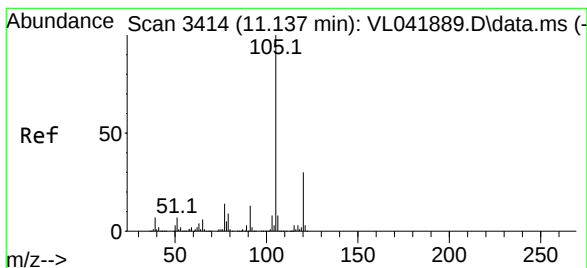
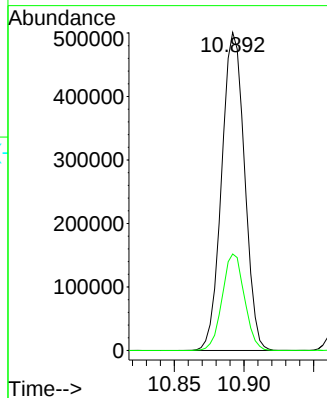
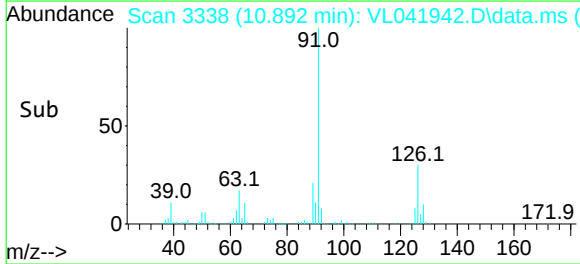
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



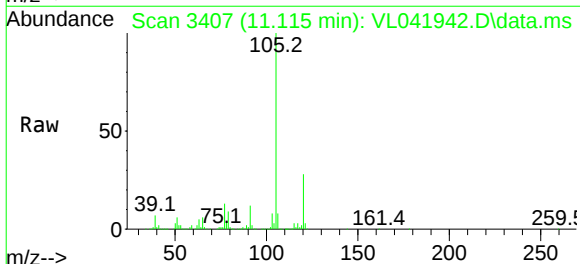
Tgt Ion: 91 Resp: 571999
Ion Ratio Lower Upper
91 100
126 29.5 11.7 46.7

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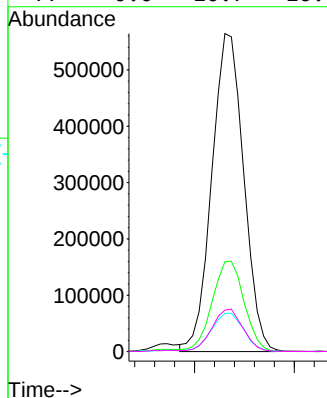
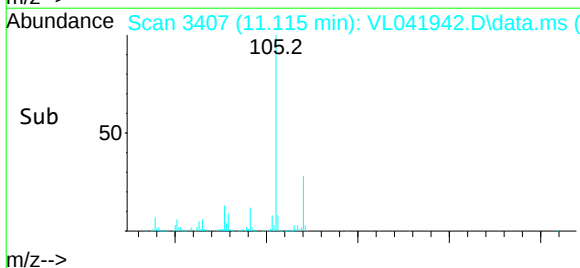
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

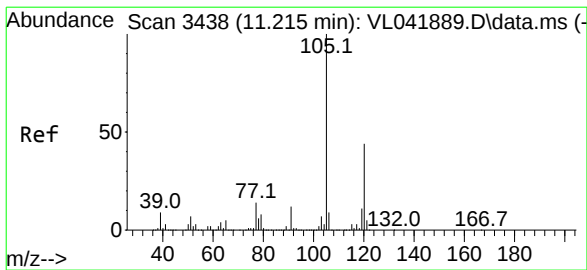


#72
4-Ethyltoluene
Concen: 12.428 ppbv m
RT: 11.115 min Scan# 3407
Delta R.T. -0.022 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06



Tgt Ion:105 Resp: 626148
Ion Ratio Lower Upper
105 100
120 0.0 23.7 35.5#
91 0.0 10.2 15.2#
77 0.0 10.7 16.1#





#73

1,3,5-Trimethylbenzene

Concen: 11.876 ppbv

RT: 11.196 min Scan# 34

Delta R.T. -0.019 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 528377

Ion Ratio Lower Upper

105 100

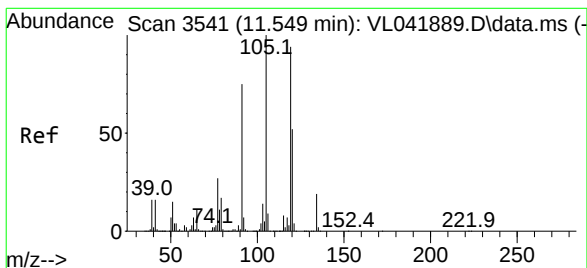
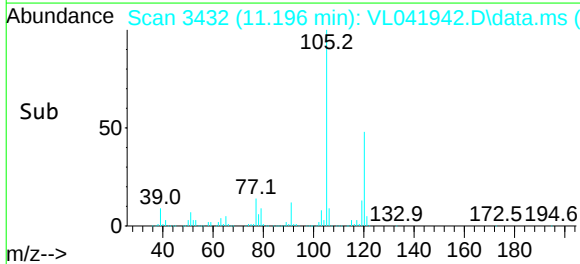
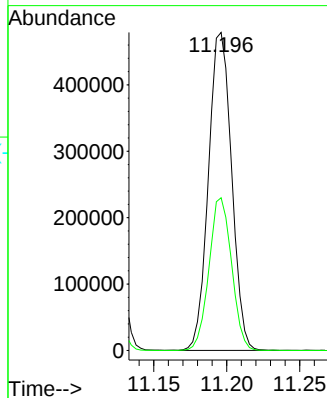
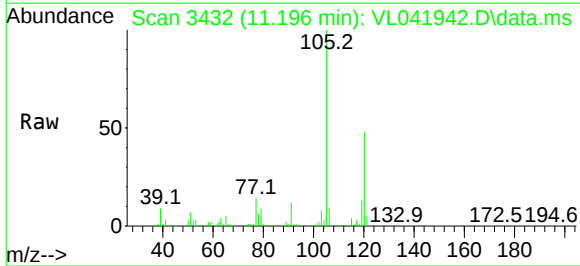
120 48.0 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.985 ppbv

RT: 11.530 min Scan# 3535

Delta R.T. -0.019 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

Tgt Ion:105 Resp: 577455

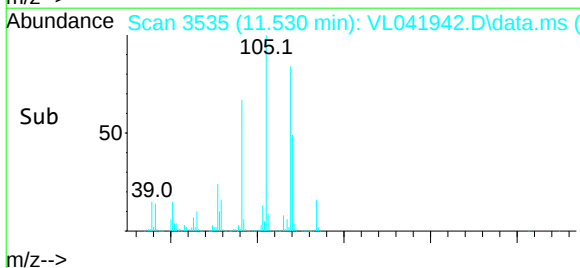
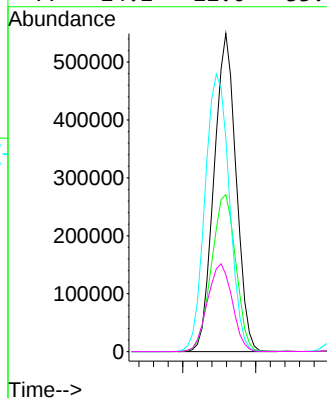
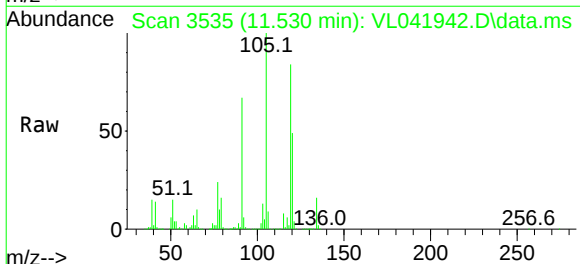
Ion Ratio Lower Upper

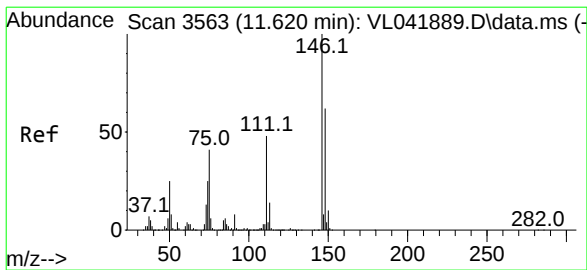
105 100

120 49.3 41.4 62.2

91 67.0 60.2 90.2

77 24.2 22.0 33.0





#75

1,3-Dichlorobenzene

Concen: 11.778 ppbv

RT: 11.601 min Scan# 3575

Delta R.T. -0.019 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

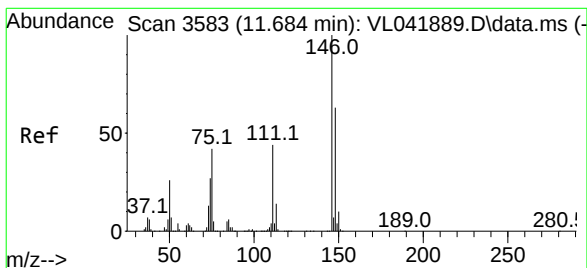
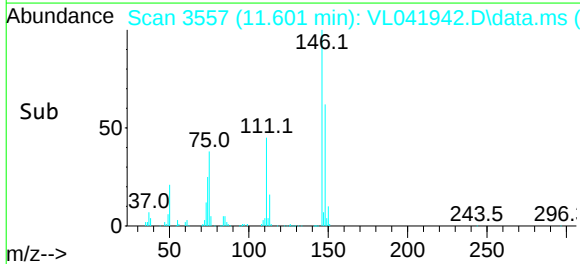
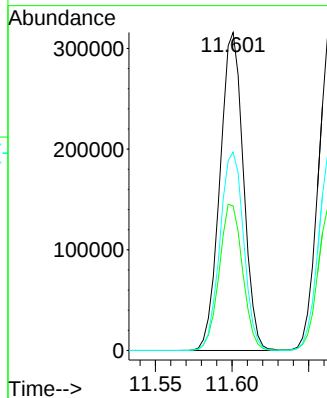
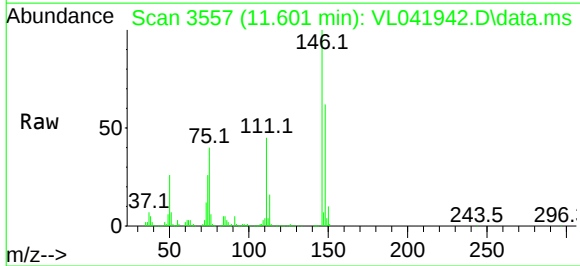
VSTDCCC010EC

Tgt Ion:	146	Resp:	336294
Ion Ratio	Lower	Upper	
146	100		
111	45.9	23.6	70.8
148	63.0	31.4	94.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#76

1,4-Dichlorobenzene

Concen: 11.885 ppbv

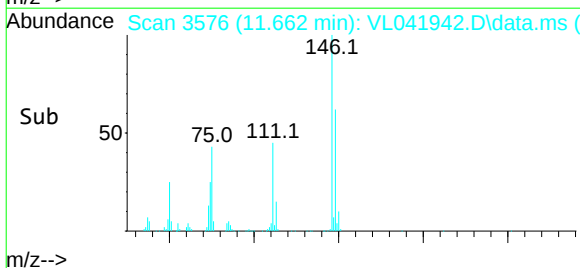
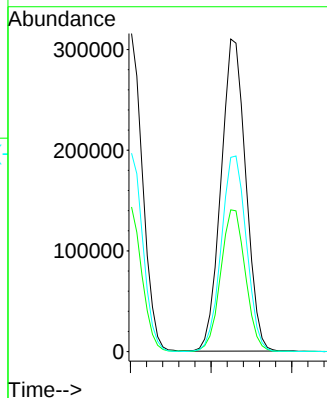
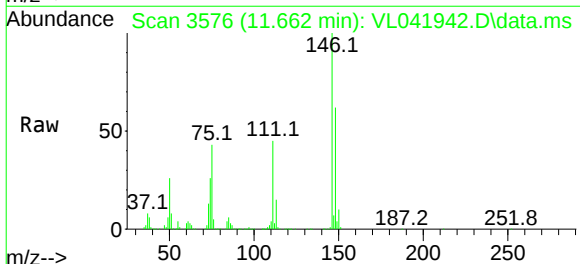
RT: 11.662 min Scan# 3576

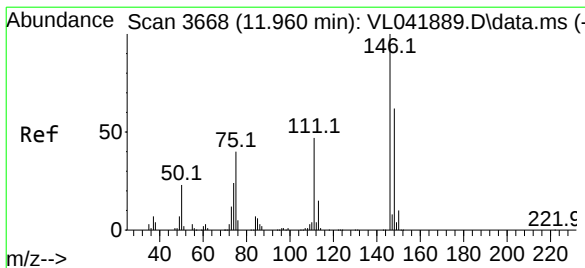
Delta R.T. -0.022 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

Tgt Ion:	146	Resp:	331999
Ion Ratio	Lower	Upper	
146	100		
111	45.3	22.4	67.0
148	63.6	31.9	95.5





#77

1,2-Dichlorobenzene

Concen: 11.502 ppbv

RT: 11.941 min Scan# 3668

Delta R.T. -0.019 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

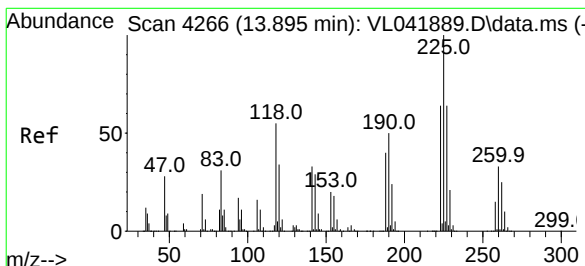
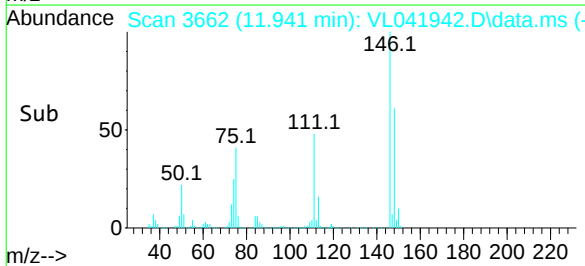
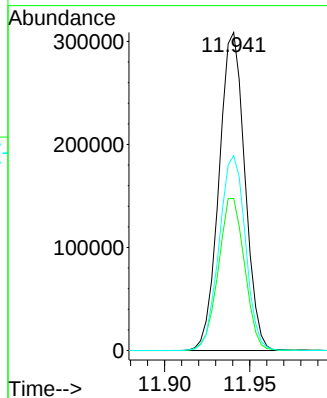
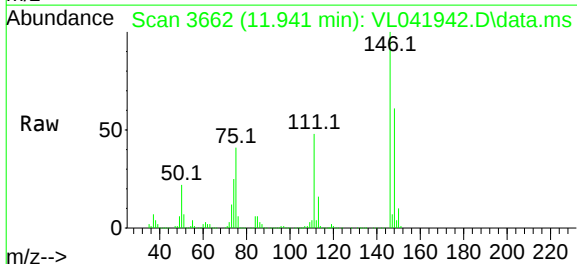
VSTDCCC010EC

Tgt Ion:	146	Resp:	325467
Ion Ratio	Lower	Upper	
146	100		
111	48.7	24.2	72.6
148	62.4	31.7	95.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#78

Hexachloro-1,3-Butadiene

Concen: 8.966 ppbv

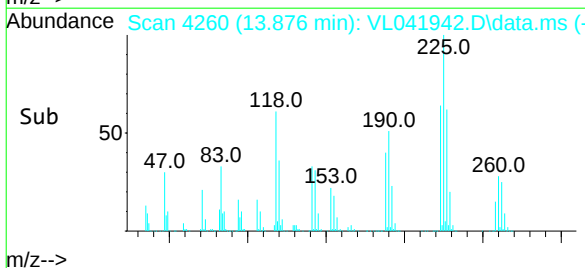
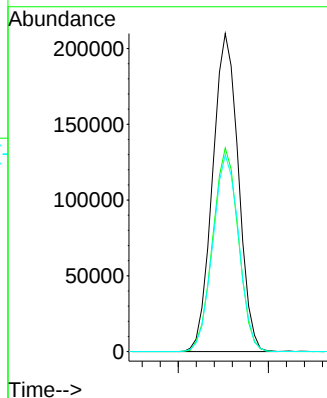
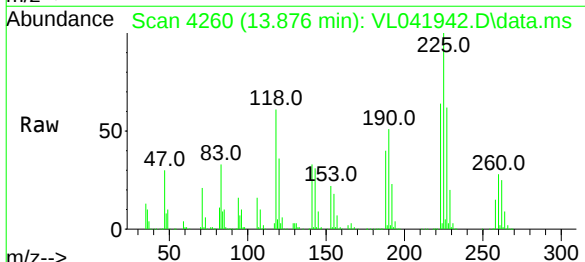
RT: 13.876 min Scan# 4260

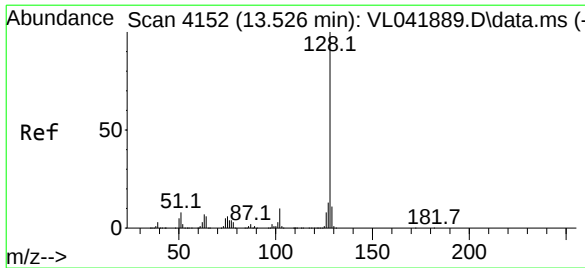
Delta R.T. -0.019 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

Tgt Ion:	225	Resp:	208238
Ion Ratio	Lower	Upper	
225	100		
223	63.7	50.8	76.2
227	62.3	50.3	75.5





#79

Naphthalene

Concen: 9.761 ppbv

RT: 13.507 min Scan# 41

Delta R.T. -0.019 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

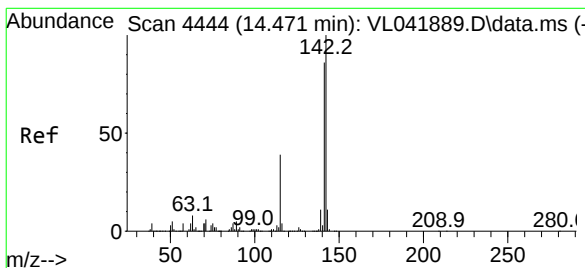
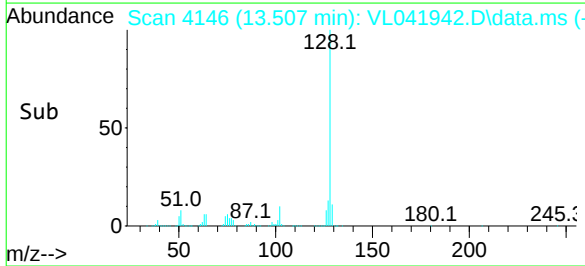
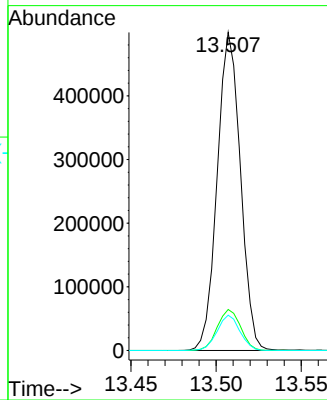
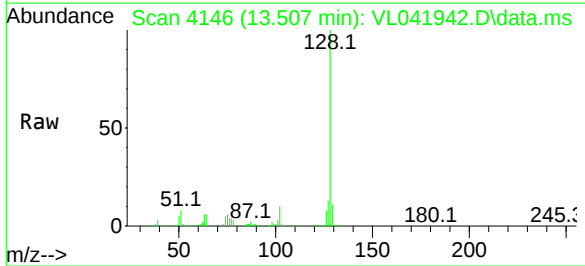
VSTDCCC010EC

Tgt Ion:	128	Resp:	473546
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	11.1	9.1	13.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#80

Naphthalene,2-methyl-

Concen: 7.469 ppbv

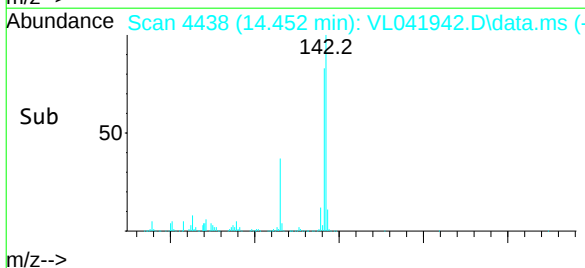
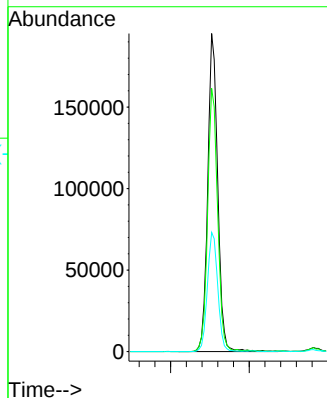
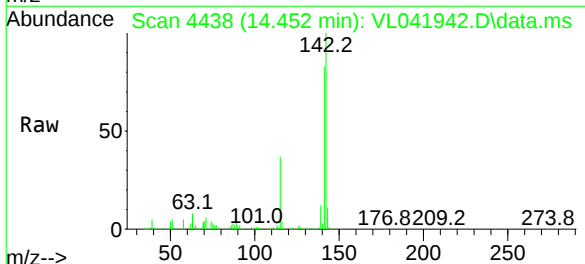
RT: 14.452 min Scan# 4438

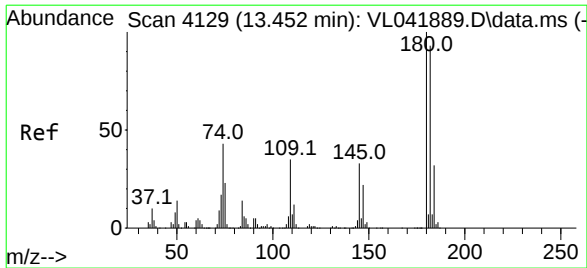
Delta R.T. -0.019 min

Lab File: VL041942.D

Acq: 21 Jan 2025 12:06

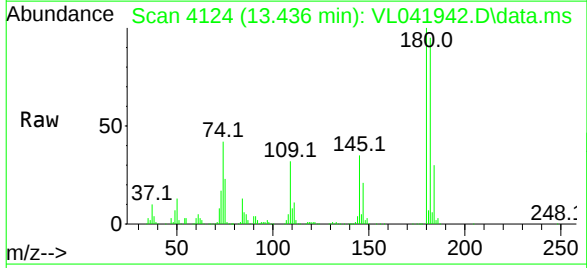
Tgt Ion:	142	Resp:	171794
Ion Ratio	Lower	Upper	
142	100		
141	83.2	68.1	102.1
115	39.0	31.7	47.5





#81
1,2,4-Trichlorobenzene
Concen: 8.975 ppbv
RT: 13.436 min Scan# 41
Delta R.T. -0.016 min
Lab File: VL041942.D
Acq: 21 Jan 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt	Ion:180	Resp:	212524
Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.0	115.6
184	29.5	24.9	37.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

