

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041920.D
 Acq On : 20 Jan 2025 14:49
 Operator : SY/MD
 Sample : VL0120ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01

Quant Time: Jan 21 03:03:46 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.784	49	135102	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.952	114	387101	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.875	117	349589	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 278711 10.122 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	194318	10.559	ppbv	98
3) Chlorodifluoromethane	1.473	51	197472	10.243	ppbv	98
4) Chloromethane	1.531	50	72874	10.529	ppbv	98
5) Vinyl Chloride	1.577	62	72113	10.287	ppbv	99
6) Bromomethane	1.664	94	33135	9.918	ppbv	96
7) Chloroethane	1.703	64	28640	10.501	ppbv	98
8) Dichlorotetrafluoroethane	1.551	85	166851	10.375	ppbv	97
9) Propene	1.479	41	77143	9.714	ppbv	98
10) Heptane	4.972	43	221305	10.425	ppbv	99
11) Trichlorofluoromethane	1.874	101	194272	10.148	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	146623	9.773	ppbv	100
13) Ethanol	1.719	45	4038	6.942	ppbv	85
14) Bromoethene	1.777	108	55312	10.069	ppbv	99
15) Acetone	1.832	43	150156	9.254	ppbv	100
16) 1,3-Butadiene	1.606	39	77537	10.646	ppbv	96
17) tert-Butyl alcohol	2.036	59	181975	9.112	ppbv	98
18) 1,1-Dichloroethene	2.030	96	66143	9.782	ppbv	92
19) Isopropyl Alcohol	1.884	45	83014	8.628	ppbv	90
20) Methylene Chloride	2.059	84	56310	8.781	ppbv	98
21) Allyl Chloride	2.091	41	109320	9.729	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	77371	10.138	ppbv	98
23) Vinyl Acetate	2.460	43	70431	8.756	ppbv	98
24) 1,1-Dichloroethane	2.405	63	151563	10.268	ppbv	97
25) Ethyl Acetate	2.832	43	459719	10.506	ppbv	100
26) Hexane	2.819	57	180370	10.422	ppbv	96
27) Carbon Disulfide	2.146	76	175967	10.275	ppbv	96
28) Methyl tert-Butyl Ether	2.438	73	101706	7.689	ppbv	98
29) Chloroform	2.845	83	293134	10.715	ppbv	100
30) Cyclohexane	3.852	84	153860	10.250	ppbv	99
31) cis-1,2-Dichloroethene	2.716	61	181894	9.982	ppbv	95
32) 1,1,1-Trichloroethane	3.363	97	291864	11.149	ppbv	99
34) 2-Butanone	2.554	43	259553	10.543	ppbv	100
35) Carbon Tetrachloride	3.758	117	289005	11.886	ppbv	98
36) Benzene	3.651	78	373474	10.519	ppbv	99
37) 1,2-Dichloroethane	3.214	62	220096	11.038	ppbv	100
38) Trichloroethene	4.541	130	148232	10.521	ppbv	97
39) 1,2-Dichloropropane	4.305	63	131897	10.591	ppbv	96
40) 1,4-Dioxane	4.580	88	60318	9.590	ppbv #	89
41) Tetrahydrofuran	3.052	42	145307	10.861	ppbv	99
42) Bromodichloromethane	4.483	83	300955	11.257	ppbv	99
43) Methyl Methacrylate	4.875	69	138125	10.472	ppbv	97
44) 2,2,4-Trimethylpentane	4.632	57	620956	10.813	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	134773	10.916	ppbv	95

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Instrument :
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Manual Integrations
 APPROVED

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

Quant Time: Jan 21 03:03:46 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)
46) cis-1,3-Dichloropropene	5.590	75	178041	10.984	ppbv	95
47) 1,1,2-Trichloroethane	6.577	97	143288	10.855	ppbv	97
48) Dibromochloromethane	7.380	129	239335	11.751	ppbv	99
49) Bromoform	9.477	173	202023	12.076	ppbv	98
50) 4-Methyl-2-Pentanone	5.752	43	363704m	10.822	ppbv	
51) 2-Hexanone	7.432	43	285982	11.075	ppbv #	95
52) Tetrachloroethene	8.221	164	125228	10.172	ppbv	96
53) Toluene	6.927	91	422420	10.923	ppbv	99
54) 1,2-Dibromoethane	7.649	107	199693	11.005	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.920	131	192001	11.008	ppbv	99
57) Chlorobenzene	8.917	112	333484	10.342	ppbv	98
58) Ethyl Benzene	9.351	91	594180	10.876	ppbv	99
59) m/p-Xylene	9.548	91	967584m	22.095	ppbv	
60) o-Xylene	9.959	91	484897	11.155	ppbv	100
61) Styrene	9.866	104	217994	11.180	ppbv	99
62) Isopropylbenzene	10.536	105	733114	10.900	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	304162	10.951	ppbv	99
64) n-propylbenzene	10.985	120	187191	11.014	ppbv	100
65) tert-Butylbenzene	11.529	119	664818	10.846	ppbv	99
66) Benzyl Chloride	11.613	91	39111	10.309	ppbv	99
67) sec-Butylbenzene	11.765	105	919962	10.900	ppbv	100
69) p-Isopropyltoluene	11.924	119	765677	11.017	ppbv	100
70) n-Butylbenzene	12.280	91	756926	10.981	ppbv	99
71) 2-Chlorotoluene	10.898	91	544953	10.953	ppbv	99
72) 4-Ethyltoluene	11.121	105	583898	11.230	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	510670	11.122	ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	550233	11.066	ppbv #	87
75) 1,3-Dichlorobenzene	11.604	146	314285	10.666	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	307295	10.659	ppbv	99
77) 1,2-Dichlorobenzene	11.944	146	308471	10.563	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	227006	9.471	ppbv	99
79) Naphthalene	13.513	128	495170	9.890	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	173122	7.293	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	227472	9.308	ppbv	99

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

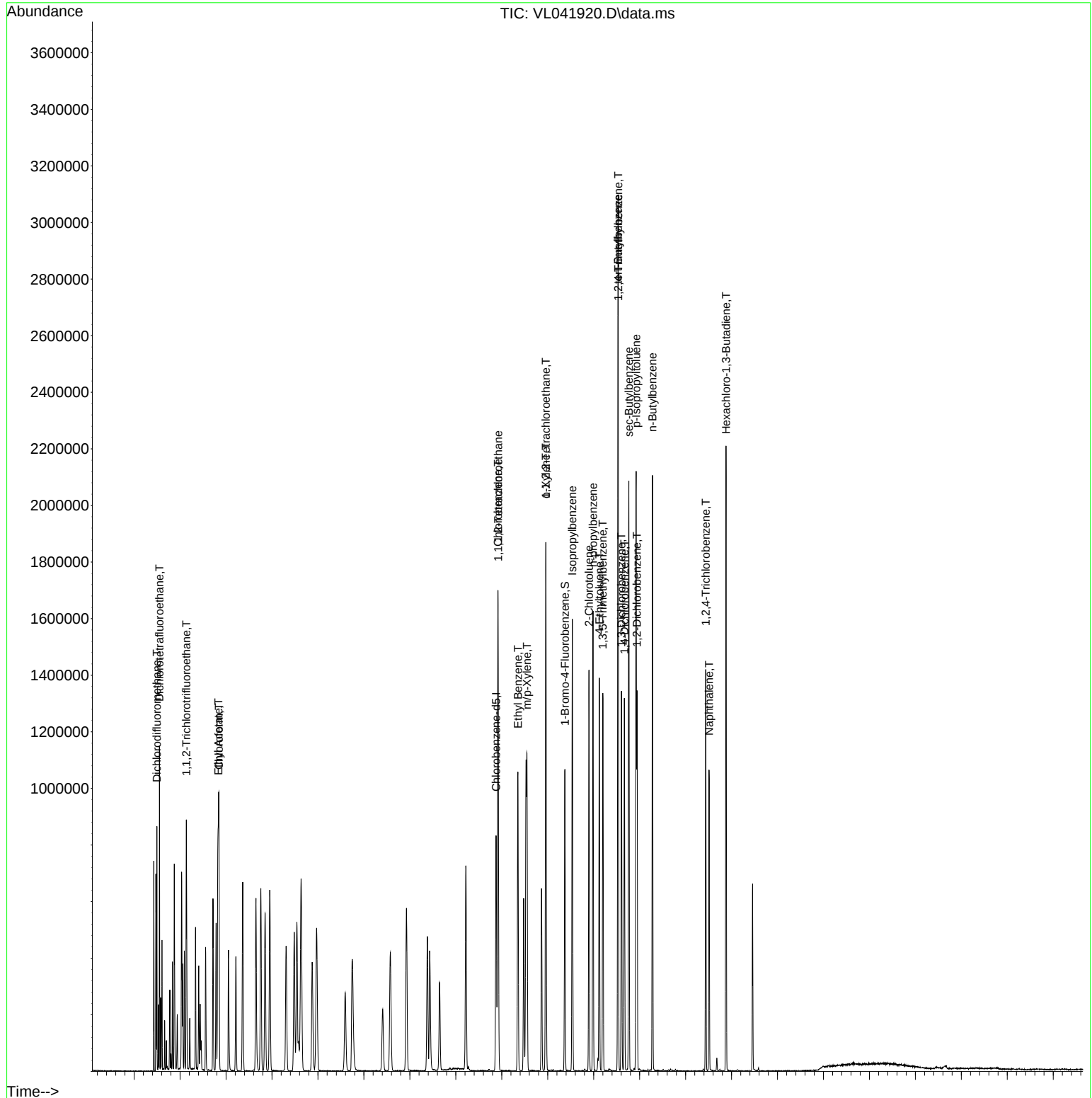
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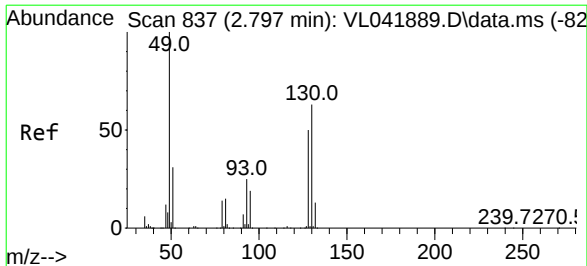
Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

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Supervised By :Mahesh Dadoda 01/21/2025

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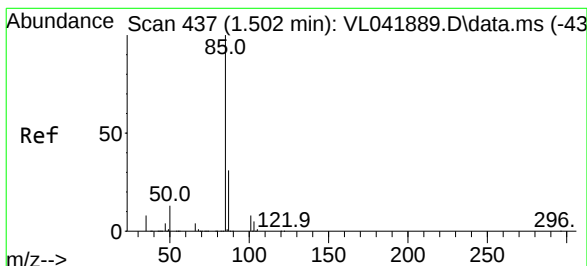
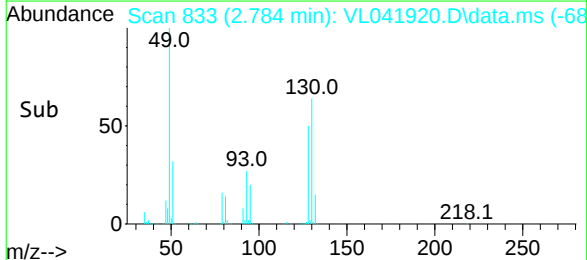
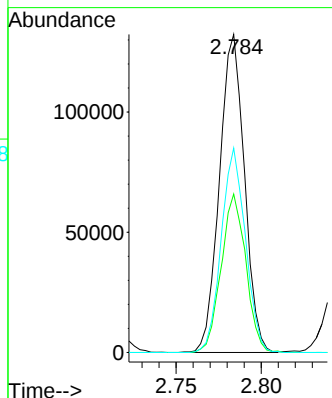
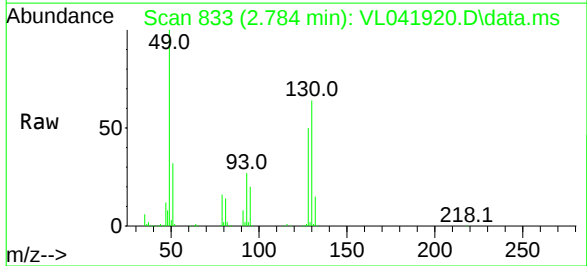
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 837
Delta R.T. -0.013 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

Tgt Ion: 49 Resp: 135102
Ion Ratio Lower Upper
49 100
128 49.0 24.3 73.0
130 62.1 31.1 93.2

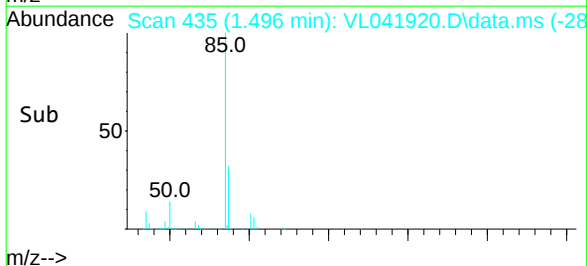
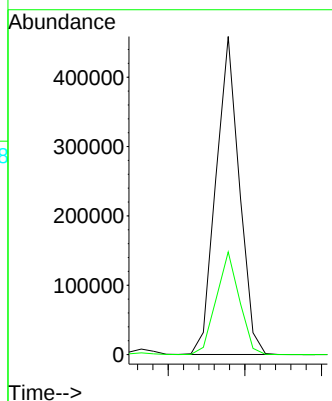
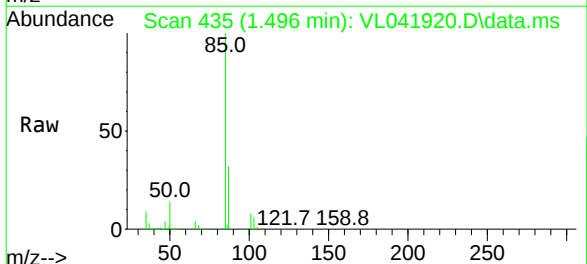
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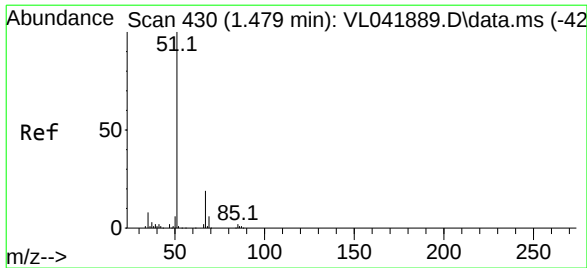
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#2
Dichlorodifluoromethane
Concen: 10.559 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.006 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Tgt Ion: 85 Resp: 194318
Ion Ratio Lower Upper
85 100
87 32.3 24.9 37.3





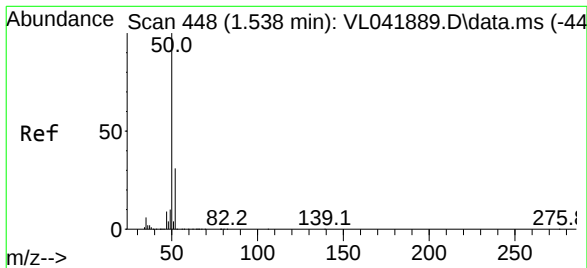
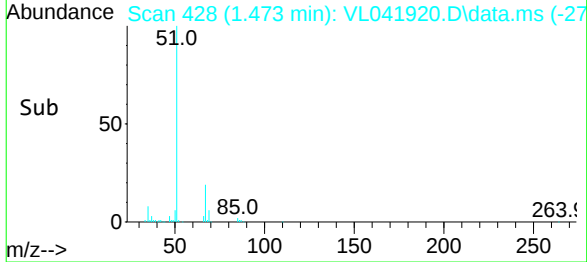
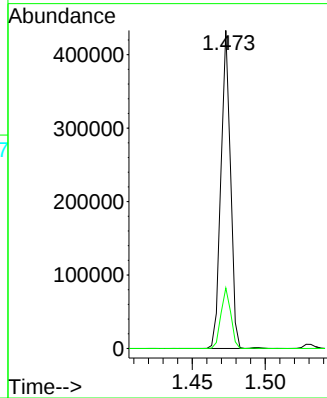
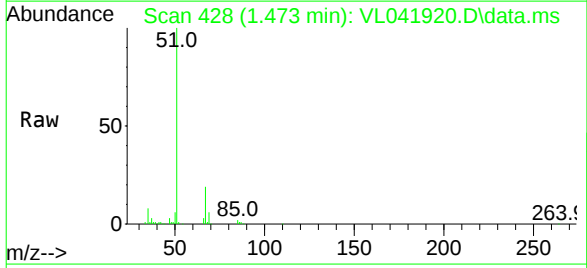
#3
Chlorodifluoromethane
Concen: 10.243 ppbv
RT: 1.473 min Scan# 42
Delta R.T. -0.006 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

Tgt Ion: 51 Resp: 197472
Ion Ratio Lower Upper
51 100
67 19.7 15.0 22.4

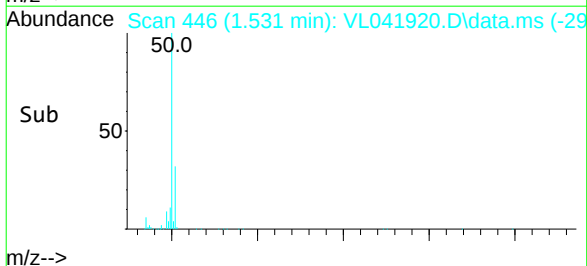
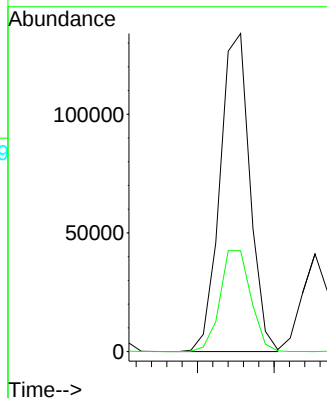
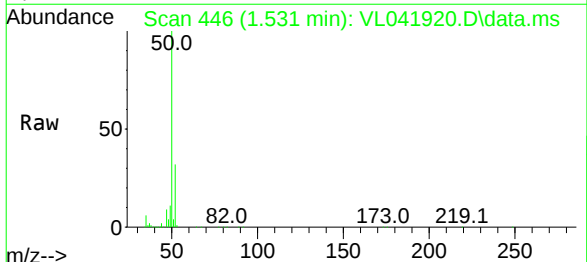
Manual Integrations
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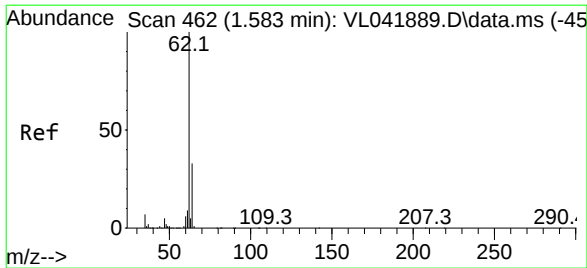
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#4
Chloromethane
Concen: 10.529 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.006 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

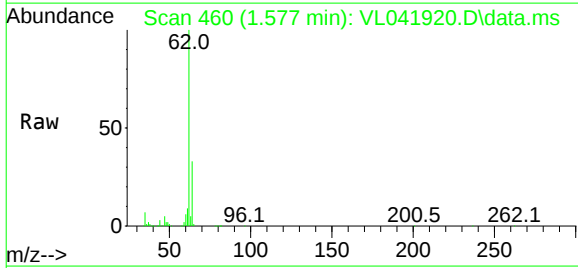
Tgt Ion: 50 Resp: 72874
Ion Ratio Lower Upper
50 100
52 31.7 24.6 36.8





#5
 Vinyl Chloride
 Concen: 10.287 ppbv
 RT: 1.577 min Scan# 461
 Delta R.T. -0.006 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49

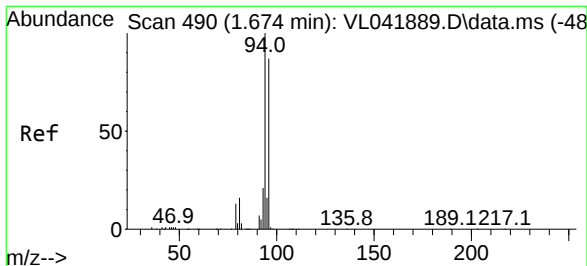
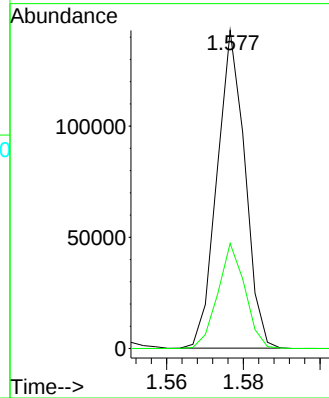
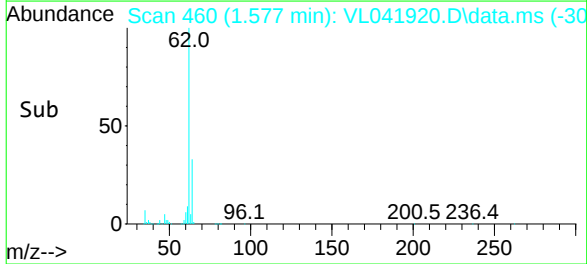
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01



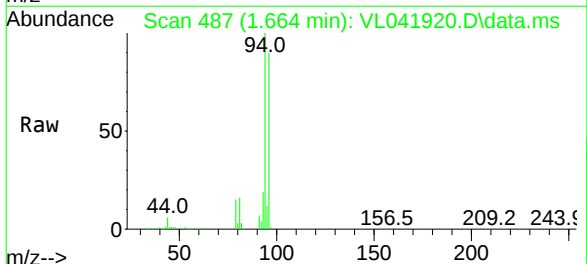
Tgt Ion: 62 Resp: 72113
 Ion Ratio Lower Upper
 62 100
 64 33.0 26.1 39.1

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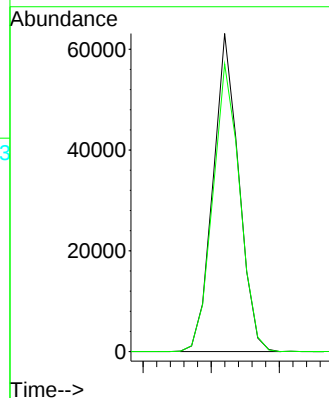
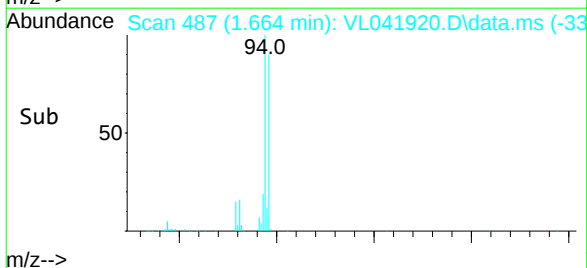
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025

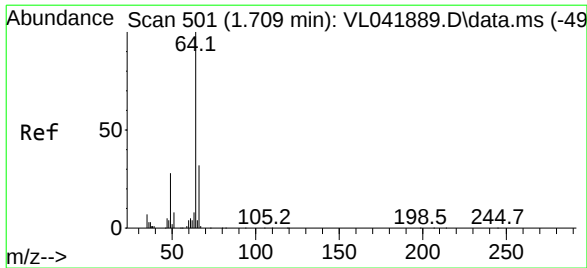


#6
 Bromomethane
 Concen: 9.918 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.010 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49



Tgt Ion: 94 Resp: 33135
 Ion Ratio Lower Upper
 94 100
 96 90.4 69.5 104.3





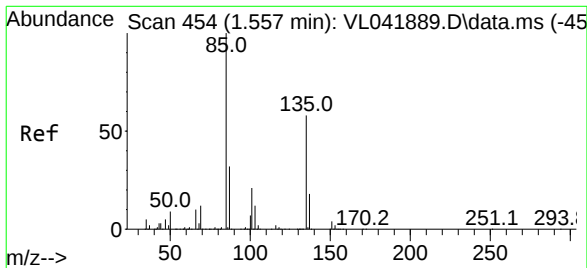
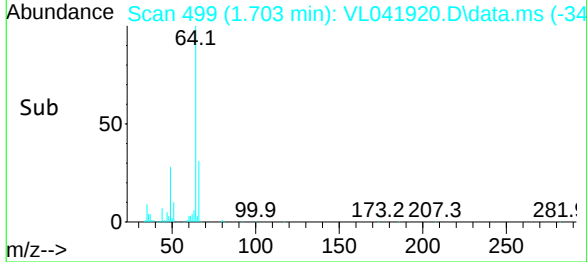
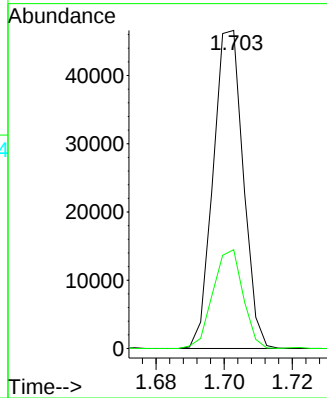
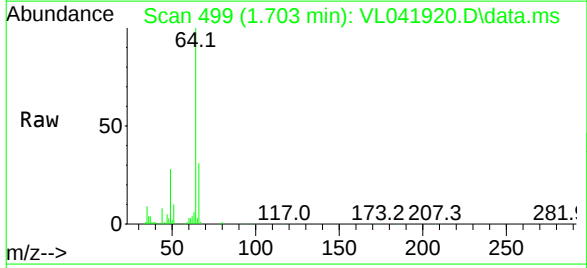
#7
Chloroethane
Concen: 10.501 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.006 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Instrument : MSVOA_L
ClientSampleId : VL0120ABS01

Tgt Ion: 64 Resp: 28640
Ion Ratio Lower Upper
64 100
66 31.1 25.7 38.5

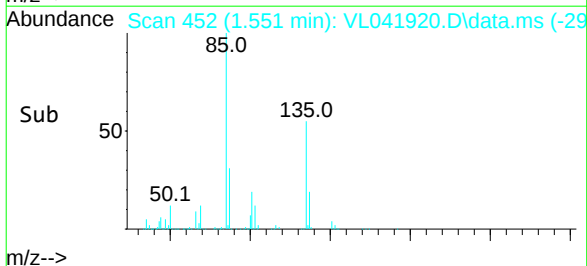
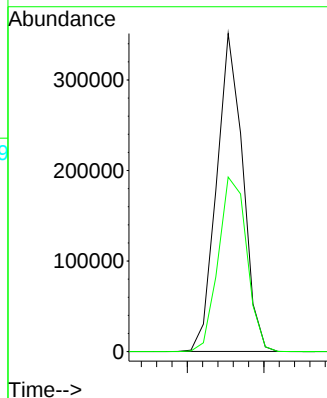
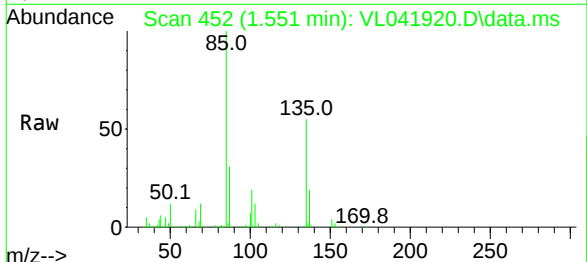
Manual Integrations
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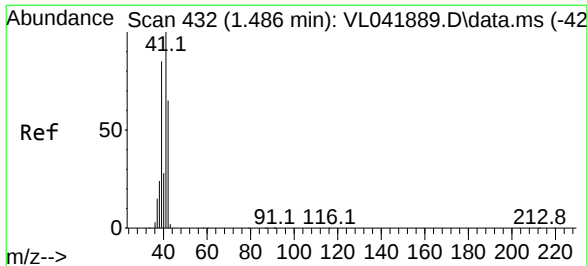
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#8
Dichlorotetrafluoroethane
Concen: 10.375 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.006 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

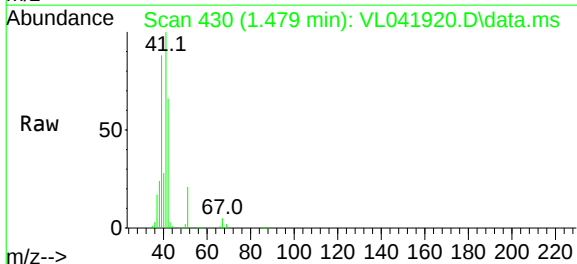
Tgt Ion: 85 Resp: 166851
Ion Ratio Lower Upper
85 100
135 60.1 50.0 75.0





#9
 Propene
 Concen: 9.714 ppbv
 RT: 1.479 min Scan# 43
 Delta R.T. -0.006 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49

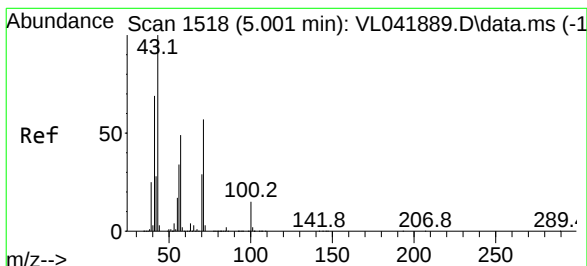
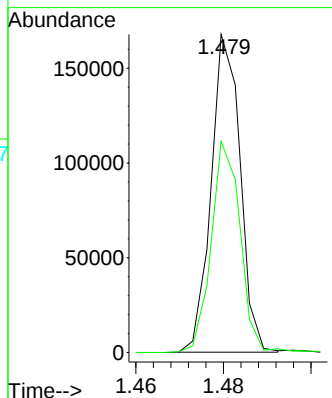
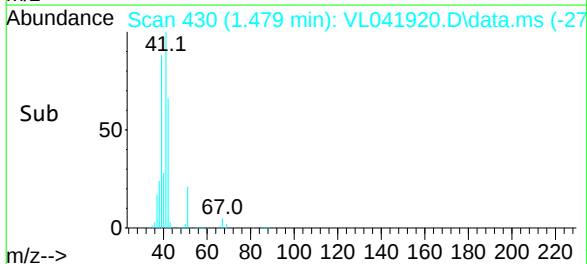
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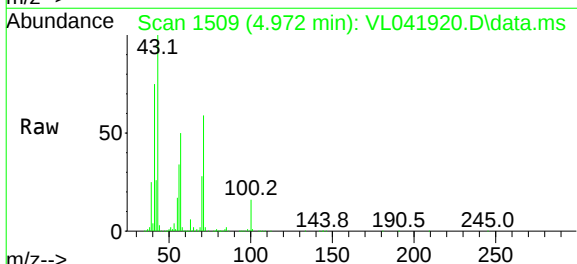
Tgt Ion: 41 Resp: 77143
 Ion Ratio Lower Upper
 41 100
 42 66.8 52.0 78.0

Manual Integrations
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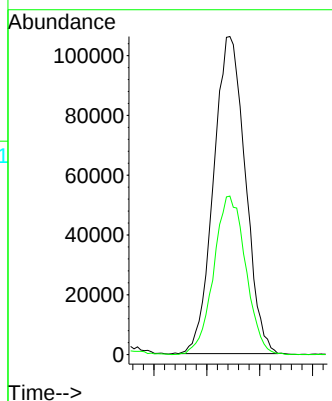
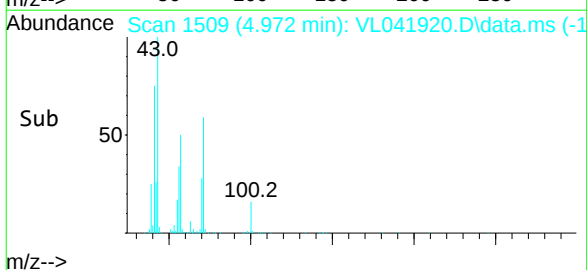
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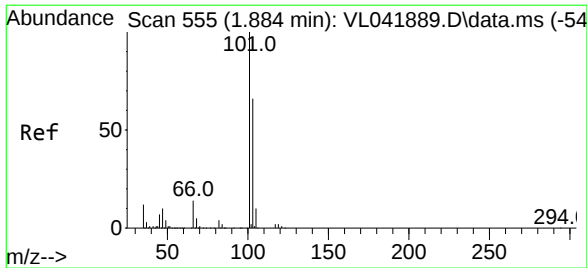


#10
 Heptane
 Concen: 10.425 ppbv
 RT: 4.972 min Scan# 1509
 Delta R.T. -0.029 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49



Tgt Ion: 43 Resp: 221305
 Ion Ratio Lower Upper
 43 100
 57 50.3 41.0 61.4





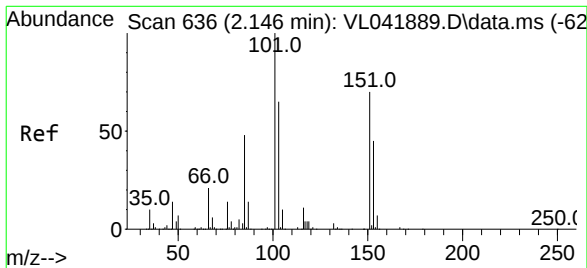
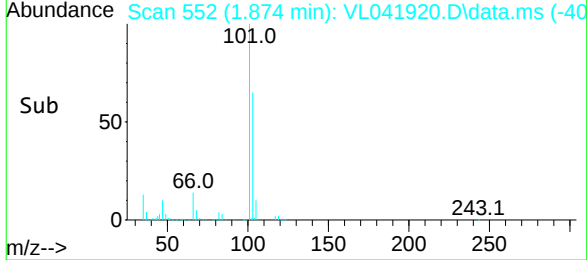
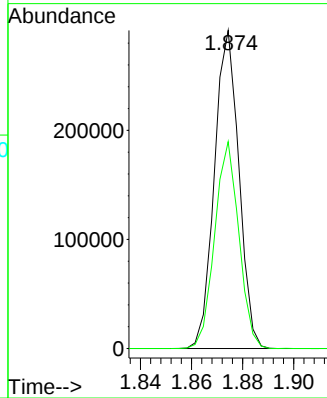
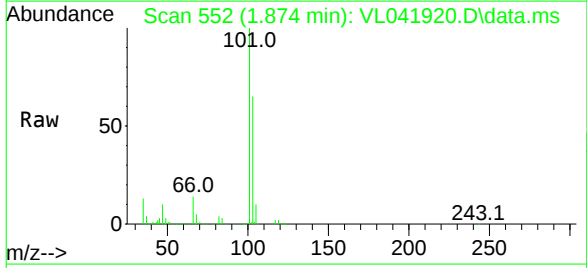
#11
Trichlorofluoromethane
Concen: 10.148 ppbv
RT: 1.874 min Scan# 555
Delta R.T. -0.010 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

Tgt Ion:101 Resp: 194272
Ion Ratio Lower Upper
101 100
103 65.0 53.1 79.7

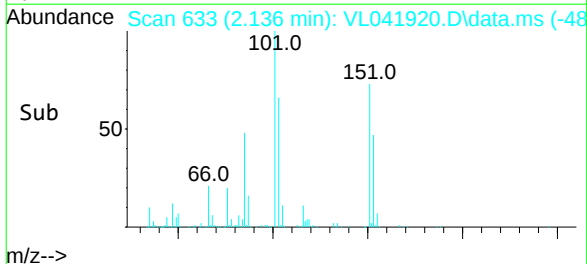
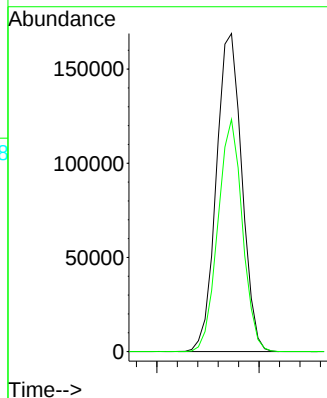
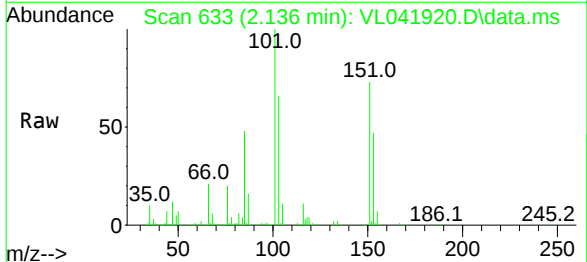
Manual Integrations
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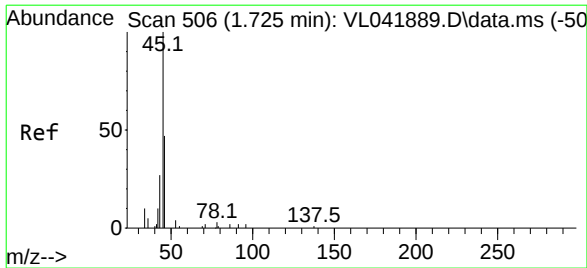
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.773 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.010 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Tgt Ion:101 Resp: 146623
Ion Ratio Lower Upper
101 100
151 70.0 56.1 84.1





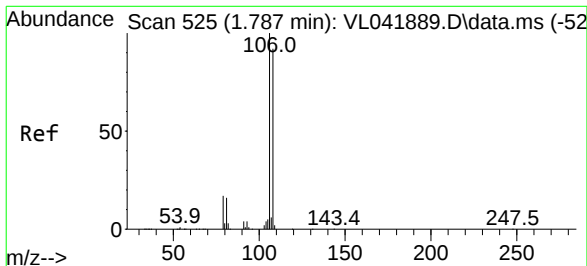
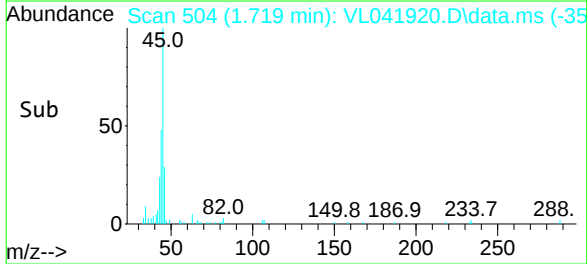
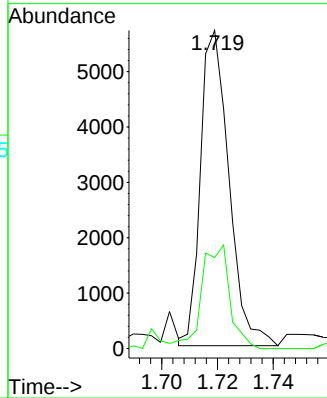
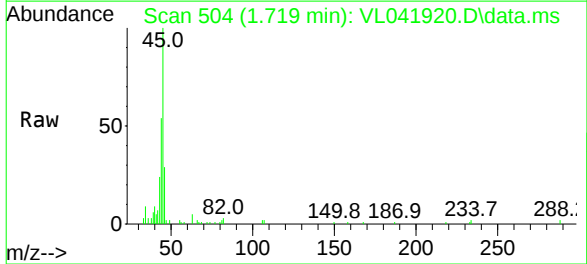
#13
Ethanol
Concen: 6.942 ppbv
RT: 1.719 min Scan# 50
Delta R.T. -0.006 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

Tgt Ion: 45 Resp: 4038
Ion Ratio Lower Upper
45 100
46 35.4 18.1 72.5

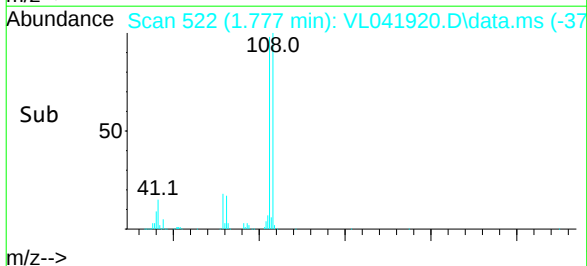
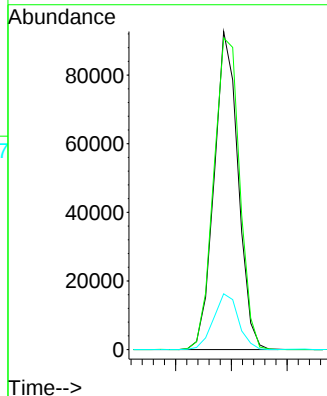
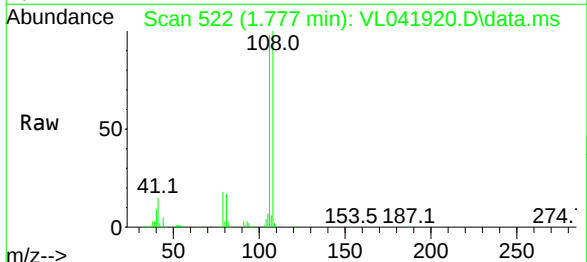
Manual Integrations
APPROVED

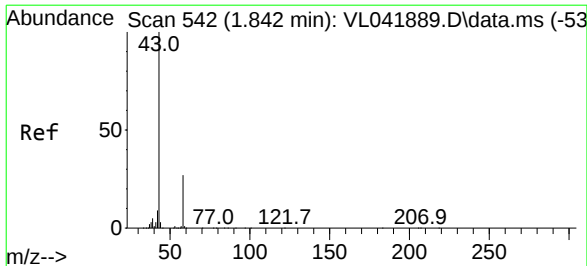
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#14
Bromoethene
Concen: 10.069 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.010 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Tgt Ion:108 Resp: 55312
Ion Ratio Lower Upper
108 100
106 106.2 85.5 128.3
79 18.5 15.3 22.9





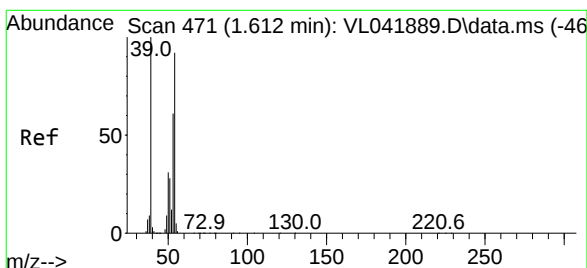
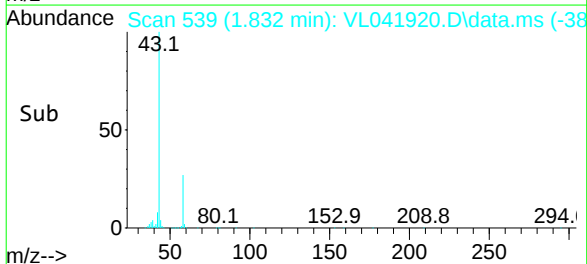
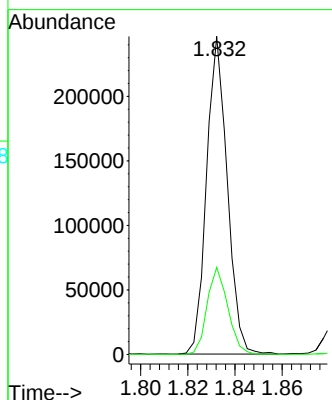
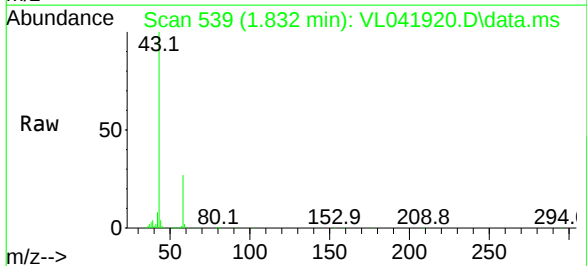
#15
Acetone
Concen: 9.254 ppbv
RT: 1.832 min Scan# 53
Delta R.T. -0.010 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

Tgt Ion: 43 Resp: 150156
Ion Ratio Lower Upper
43 100
58 27.6 21.9 32.9

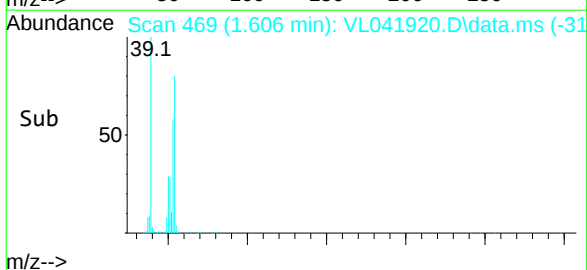
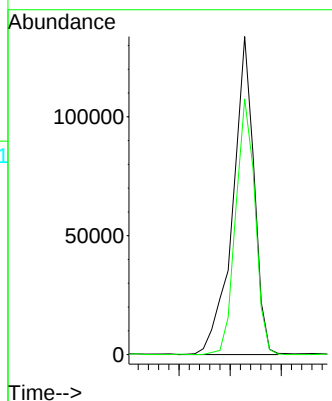
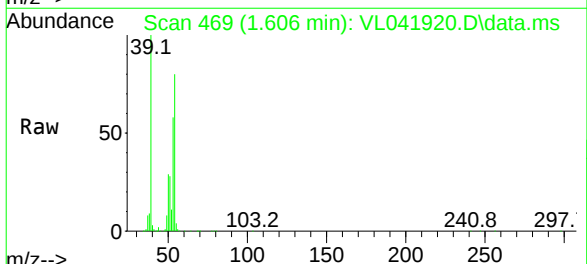
Manual Integrations
APPROVED

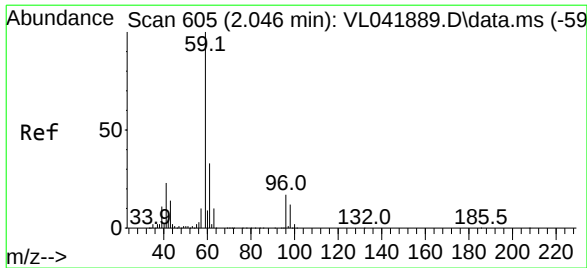
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#16
1,3-Butadiene
Concen: 10.646 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.006 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Tgt Ion: 39 Resp: 77537
Ion Ratio Lower Upper
39 100
54 73.4 61.6 92.4





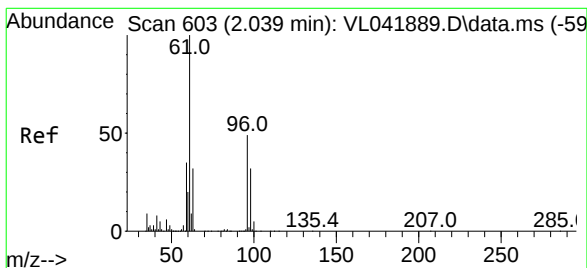
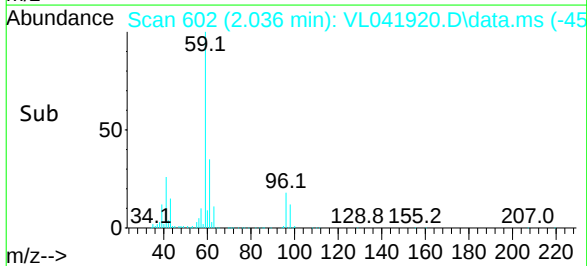
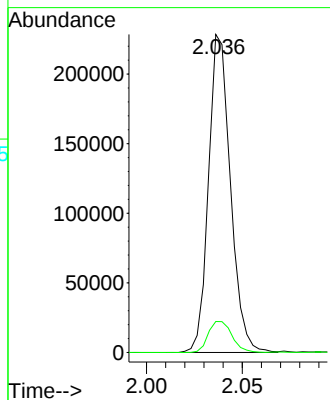
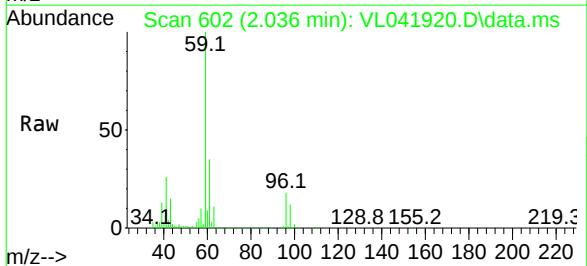
#17
tert-Butyl alcohol
Concen: 9.112 ppbv
RT: 2.036 min Scan# 600
Delta R.T. -0.010 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

Tgt Ion: 59 Resp: 181975
Ion Ratio Lower Upper
59 100
57 10.7 7.8 11.8

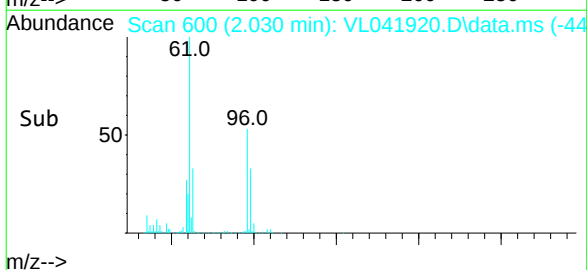
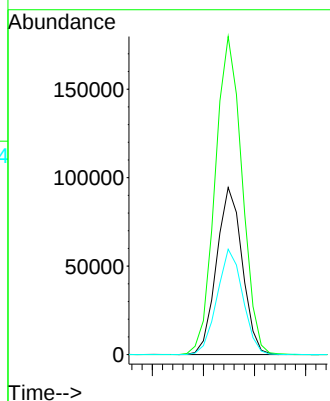
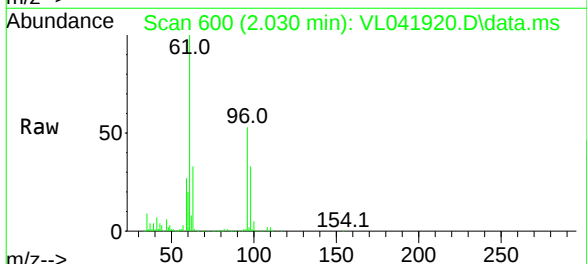
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APPROVED

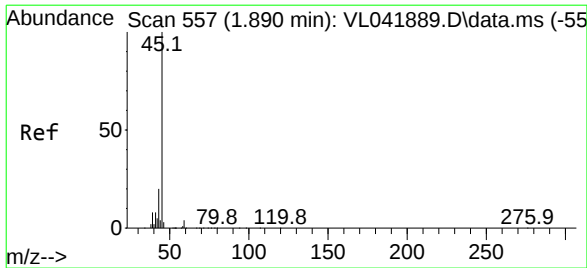
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#18
1,1-Dichloroethene
Concen: 9.782 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.010 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Tgt Ion: 96 Resp: 66143
Ion Ratio Lower Upper
96 100
61 190.3 163.1 244.7
98 63.1 52.7 79.1





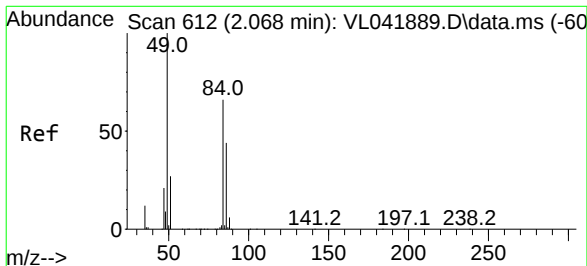
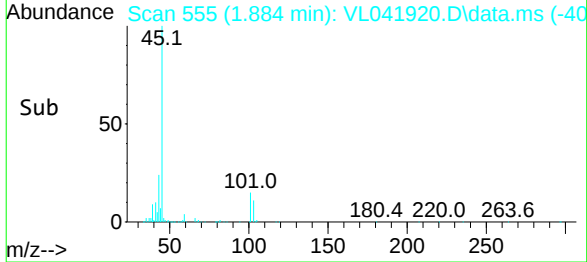
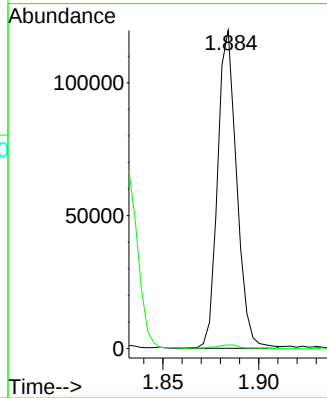
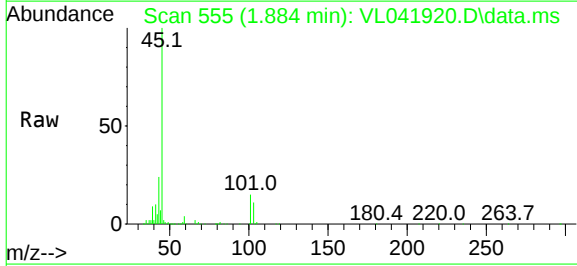
#19
Isopropyl Alcohol
Concen: 8.628 ppbv
RT: 1.884 min Scan# 55
Delta R.T. -0.006 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

Tgt Ion: 45 Resp: 83014
Ion Ratio Lower Upper
45 100
58 50.0 35.0 52.6

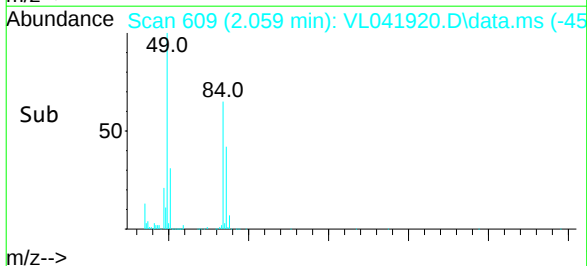
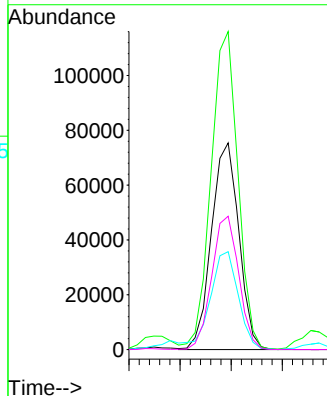
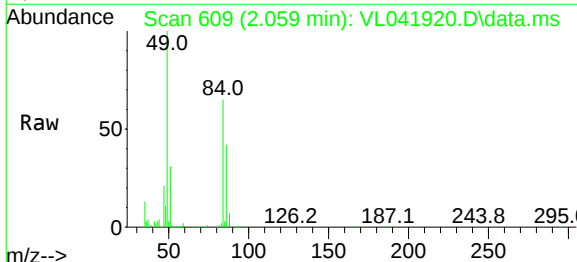
Manual Integrations
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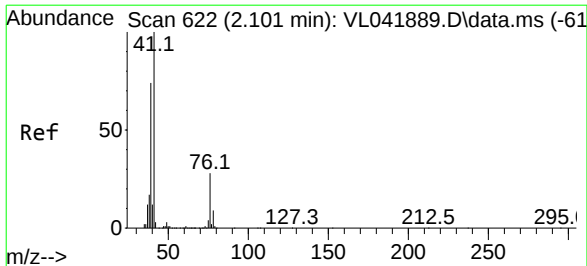
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#20
Methylene Chloride
Concen: 8.781 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.010 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Tgt Ion: 84 Resp: 56310
Ion Ratio Lower Upper
84 100
49 153.6 123.1 184.7
51 47.4 35.8 53.8
86 64.4 53.7 80.5





#21

Allyl Chloride

Concen: 9.729 ppbv

RT: 2.091 min Scan# 61

Delta R.T. -0.010 min

Lab File: VL041920.D

Acq: 20 Jan 2025 14:49

Instrument :

MSVOA_L

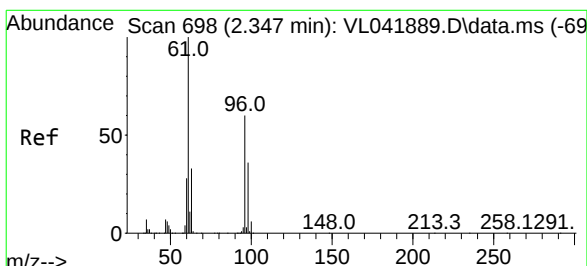
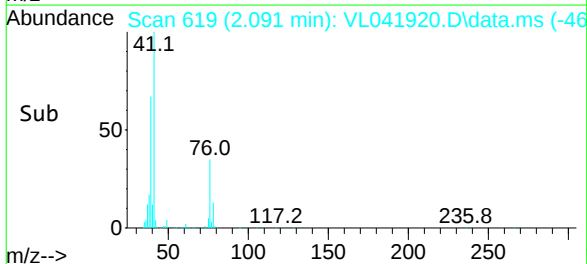
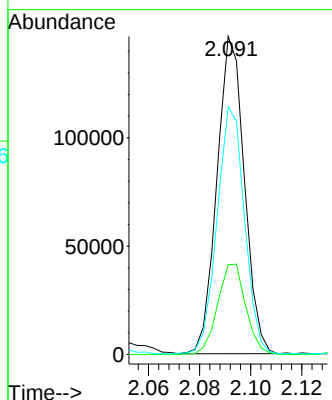
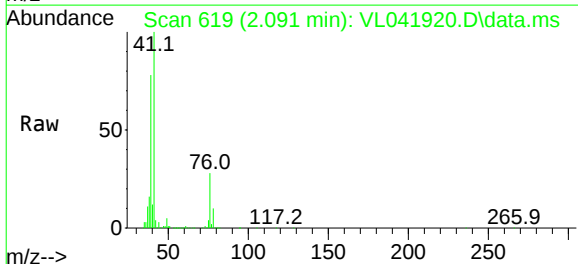
ClientSampleId :

VL0120ABS01

Tgt Ion:	41	Resp:	109320
Ion	Ratio	Lower	Upper
41	100		
76	29.2	24.2	36.4
39	78.0	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: 10.138 ppbv

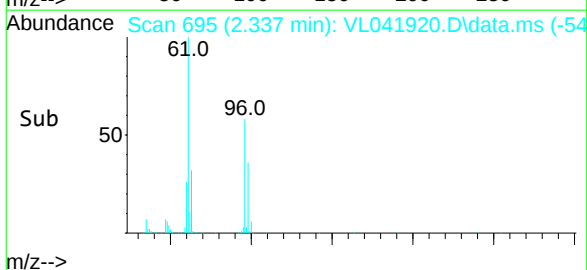
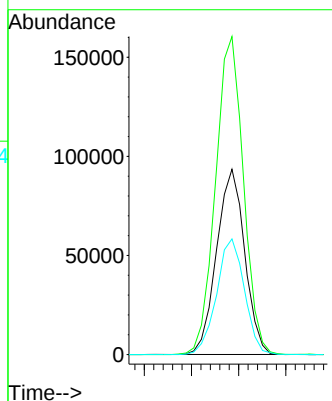
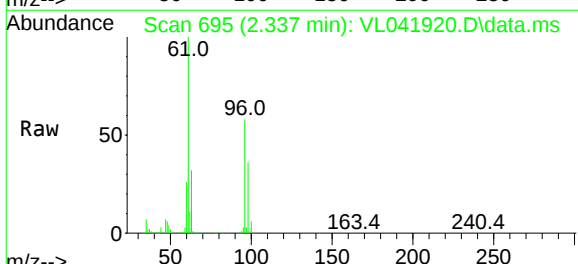
RT: 2.337 min Scan# 695

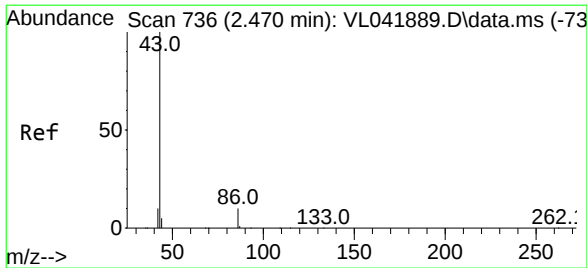
Delta R.T. -0.010 min

Lab File: VL041920.D

Acq: 20 Jan 2025 14:49

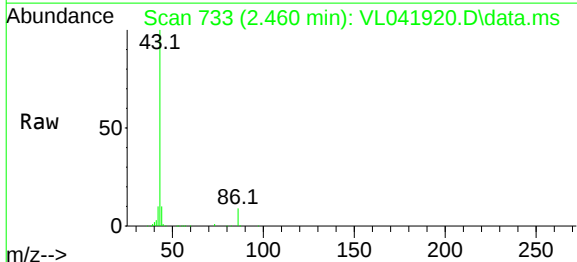
Tgt Ion:	96	Resp:	77371
Ion	Ratio	Lower	Upper
96	100		
61	171.4	134.5	201.7
98	62.5	48.9	73.3





#23
 Vinyl Acetate
 Concen: 8.756 ppbv
 RT: 2.460 min Scan# 736
 Delta R.T. -0.010 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49

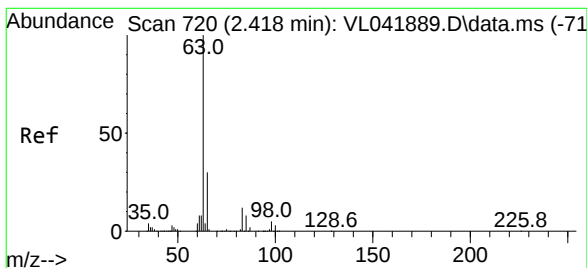
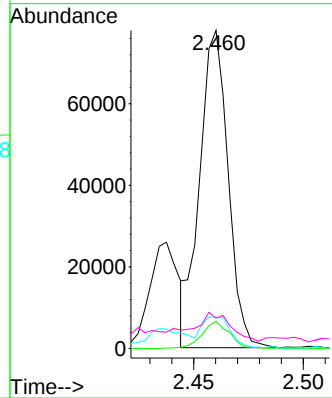
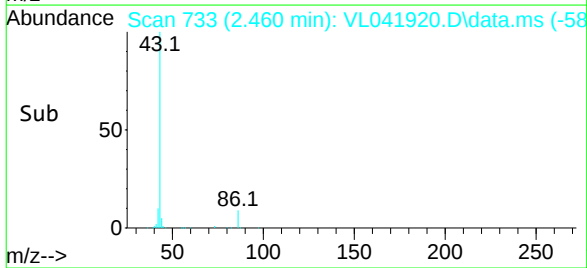
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01



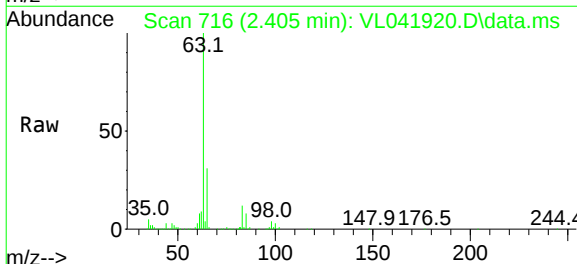
Tgt Ion:	43	Resp:	70431
Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.2	9.4
42	9.5	8.5	12.7
44	6.3	4.8	7.2

Manual Integrations
 APPROVED

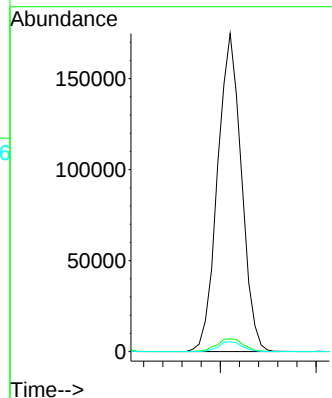
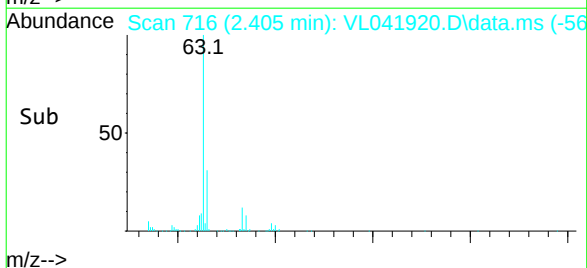
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025

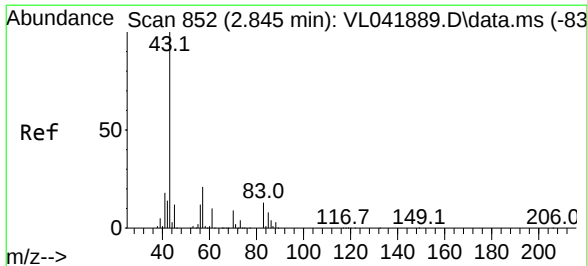


#24
 1,1-Dichloroethane
 Concen: 10.268 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.013 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49



Tgt Ion:	63	Resp:	151563
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.6	7.8
100	3.1	1.4	4.2





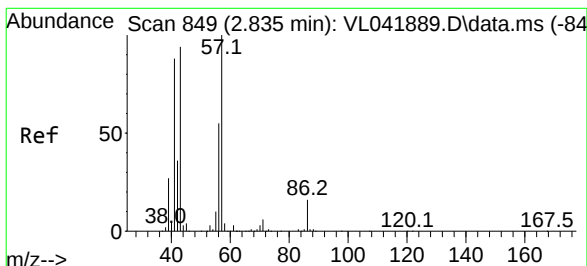
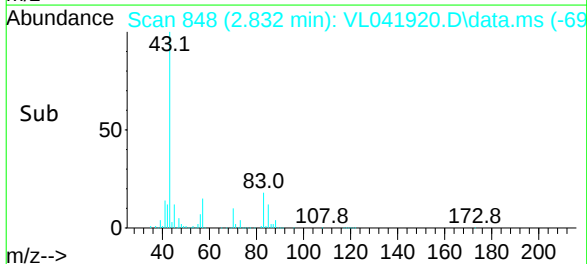
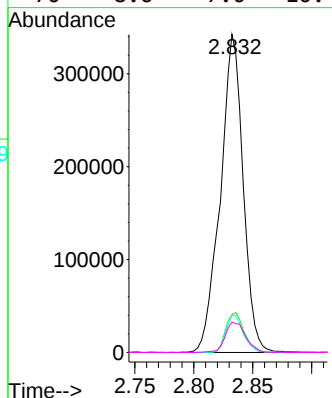
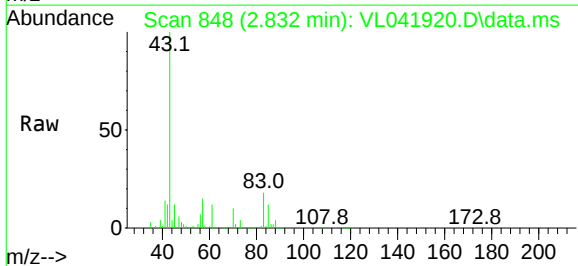
#25
Ethyl Acetate
Concen: 10.506 ppbv
RT: 2.832 min Scan# 844
Delta R.T. -0.013 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

Tgt Ion: 43	Resp: 459719
Ion Ratio	Lower Upper
43 100	
45 10.1	8.2 12.2
61 9.1	7.4 11.0
70 8.6	7.0 10.4

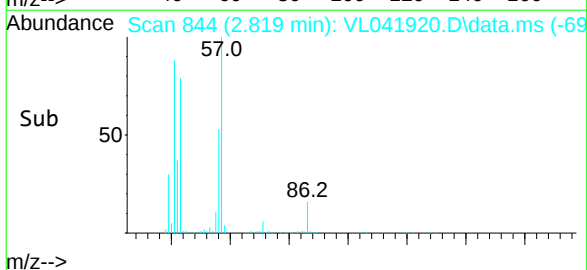
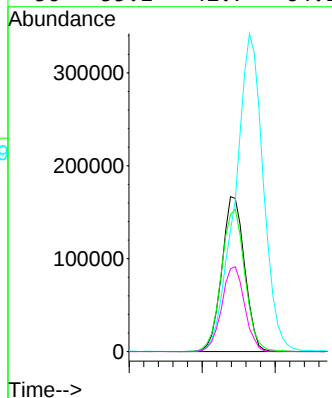
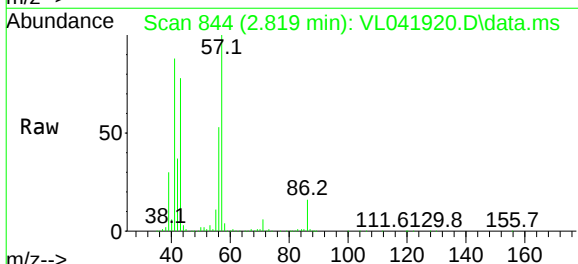
Manual Integrations
APPROVED

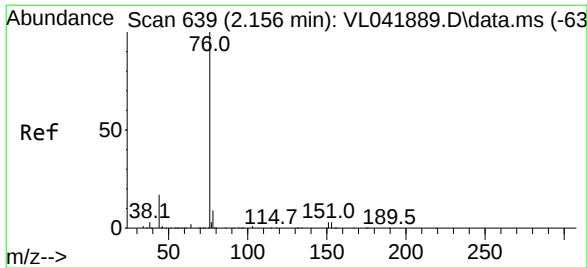
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#26
Hexane
Concen: 10.422 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.016 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Tgt Ion: 57	Resp: 180370
Ion Ratio	Lower Upper
57 100	
41 95.9	73.8 110.8
43 255.0	197.3 295.9
56 55.1	42.7 64.1





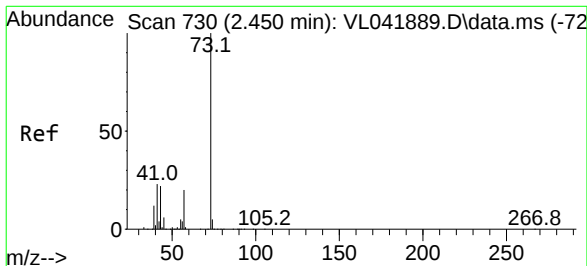
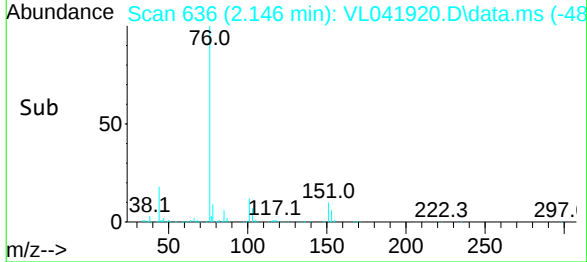
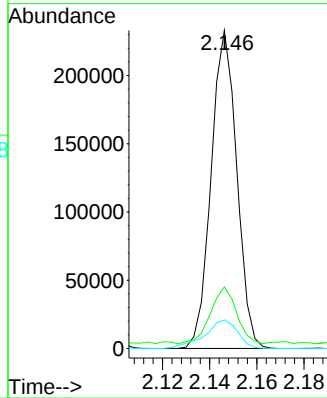
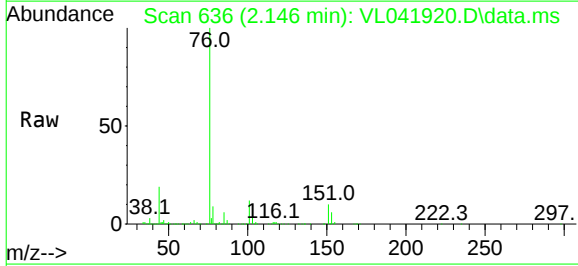
#27
Carbon Disulfide
Concen: 10.275 ppbv
RT: 2.146 min Scan# 639
Delta R.T. -0.010 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Instrument : MSVOA_L
ClientSampleId : VL0120ABS01

Tgt Ion: 76 Resp: 175967
Ion Ratio Lower Upper
76 100
44 22.4 15.4 23.0
78 11.5 9.3 13.9

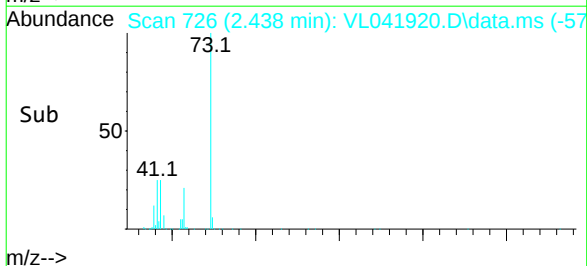
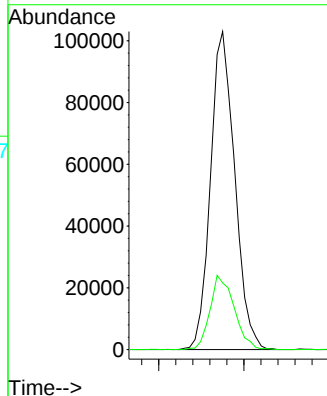
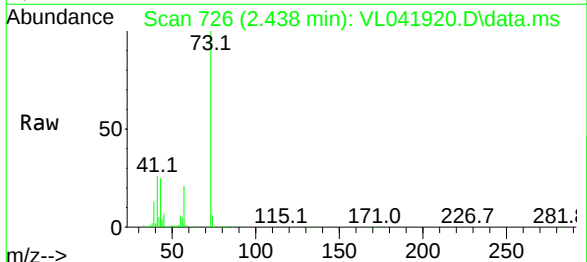
Manual Integrations
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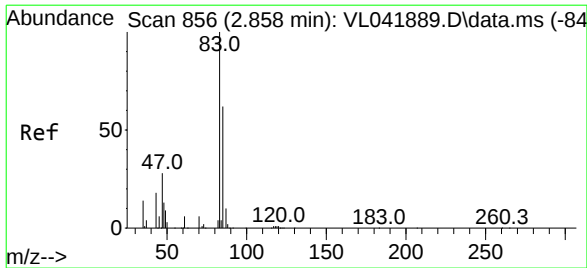
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#28
Methyl tert-Butyl Ether
Concen: 7.689 ppbv
RT: 2.438 min Scan# 726
Delta R.T. -0.013 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Tgt Ion: 73 Resp: 101706
Ion Ratio Lower Upper
73 100
57 23.4 18.1 27.1





#29

Chloroform

Concen: 10.715 ppbv

RT: 2.845 min Scan# 85

Delta R.T. -0.013 min

Lab File: VL041920.D

Acq: 20 Jan 2025 14:49

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

Tgt Ion: 83 Resp: 293134

Ion Ratio Lower Upper

83 100

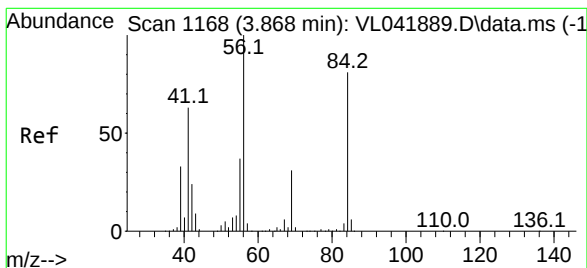
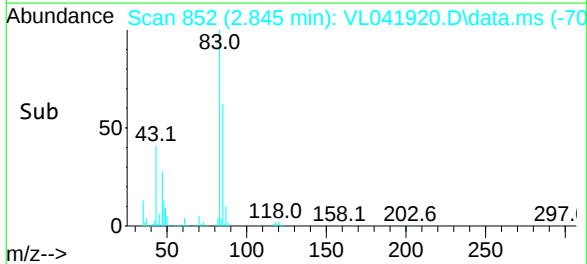
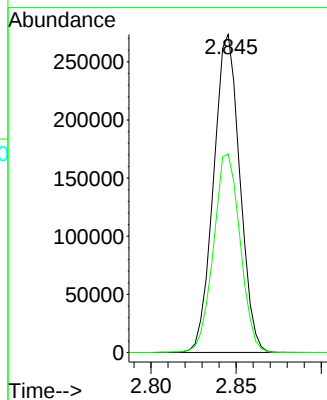
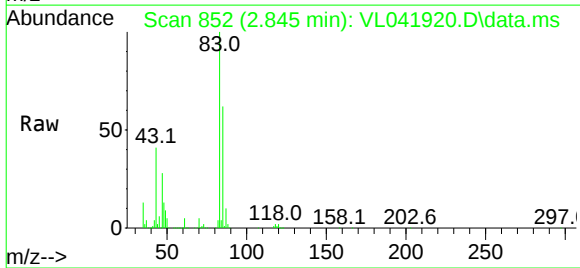
85 62.3 50.1 75.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#30

Cyclohexane

Concen: 10.250 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.016 min

Lab File: VL041920.D

Acq: 20 Jan 2025 14:49

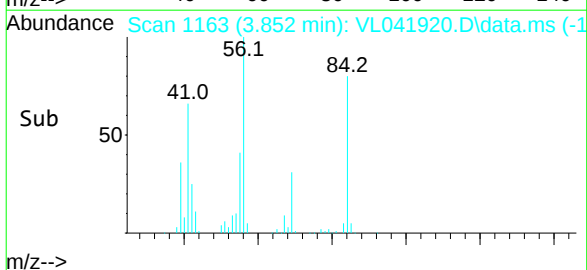
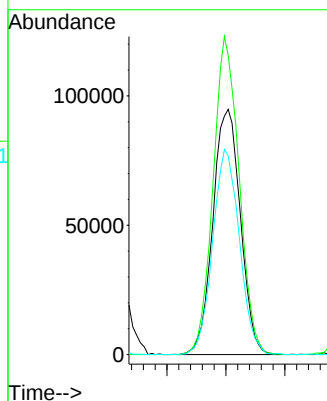
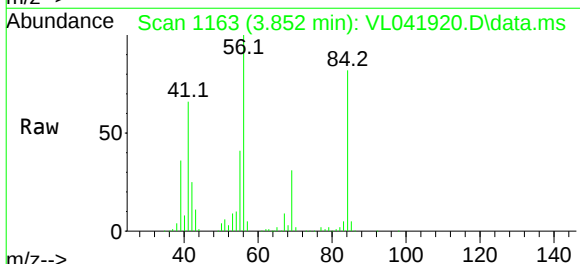
Tgt Ion: 84 Resp: 153860

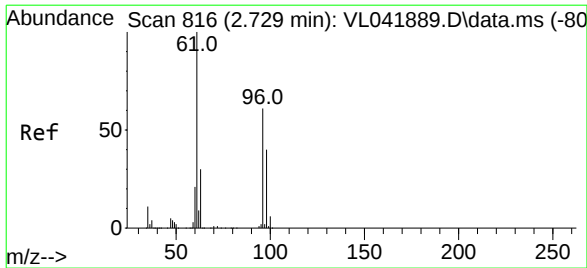
Ion Ratio Lower Upper

84 100

56 122.3 99.3 148.9

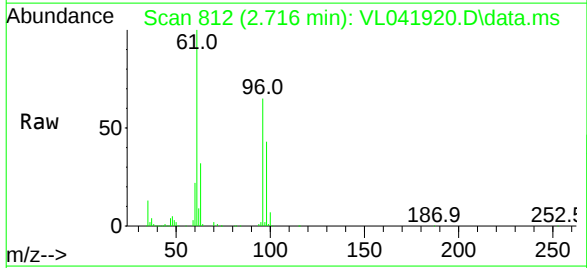
41 81.4 64.3 96.5





#31
 cis-1,2-Dichloroethene
 Concen: 9.982 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.013 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49

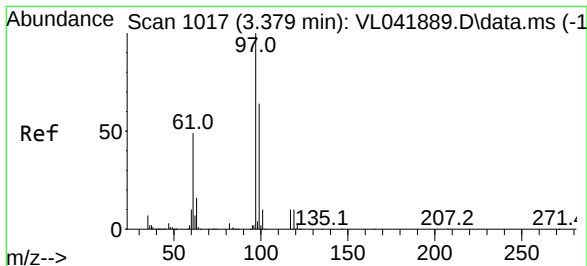
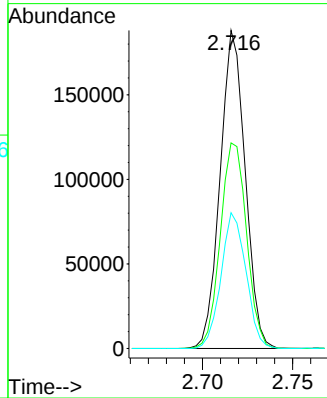
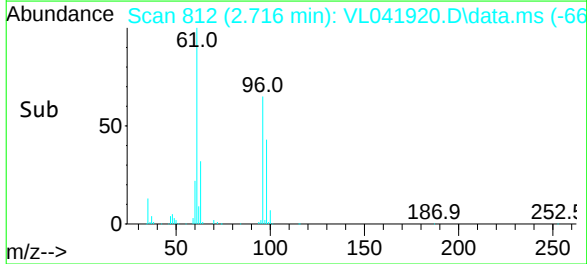
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01



Tgt Ion: 61 Resp: 181894
 Ion Ratio Lower Upper
 61 100
 96 64.6 48.7 73.1
 98 42.7 31.6 47.4

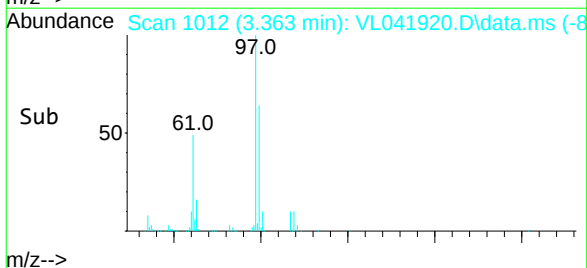
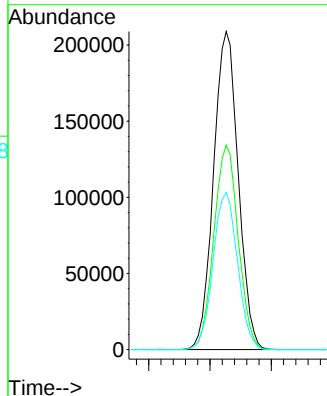
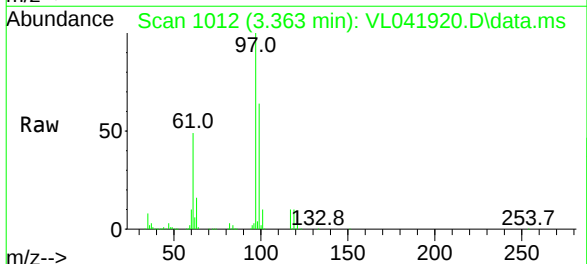
Manual Integrations
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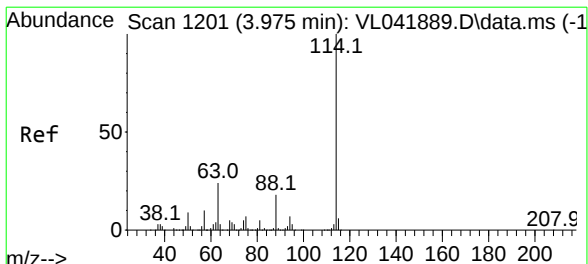
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025



#32
 1,1,1-Trichloroethane
 Concen: 11.149 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.016 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49

Tgt Ion: 97 Resp: 291864
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.1 76.7
 61 49.2 39.0 58.6





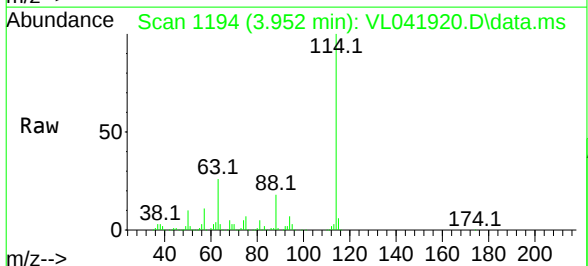
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.952 min Scan# 111
 Delta R.T. -0.023 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

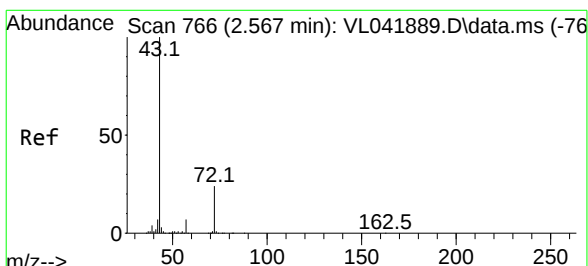
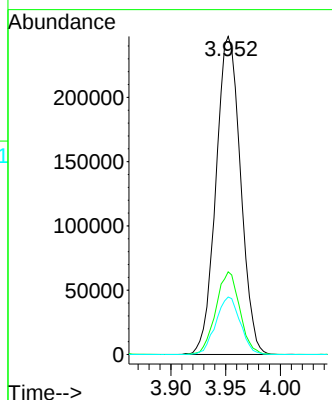
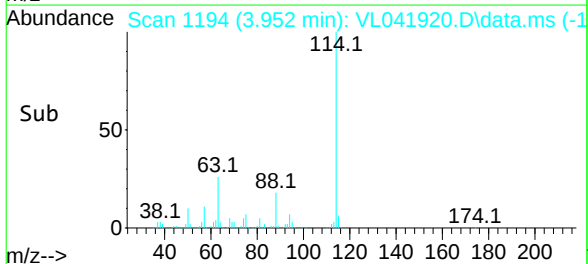


Tgt Ion: 114 Resp: 387101

Ion	Ratio	Lower	Upper
114	100		
63	25.2	19.8	29.6
88	17.9	14.4	21.6

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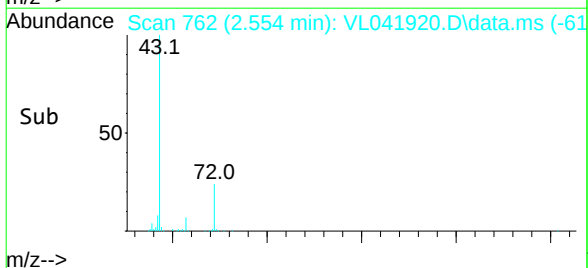
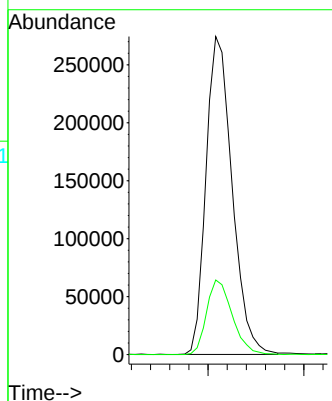
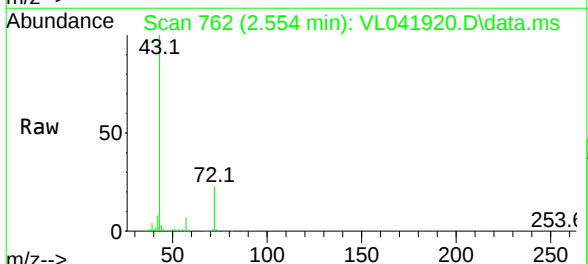
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025

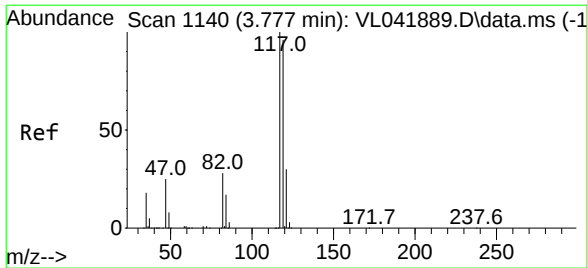


#34
 2-Butanone
 Concen: 10.543 ppbv
 RT: 2.554 min Scan# 762
 Delta R.T. -0.013 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49

Tgt Ion: 43 Resp: 259553

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.6	28.0





#35

Carbon Tetrachloride

Concen: 11.886 ppbv

RT: 3.758 min Scan# 11

Delta R.T. -0.019 min

Lab File: VL041920.D

Acq: 20 Jan 2025 14:49

Instrument :

MSVOA_L

ClientSampleId :

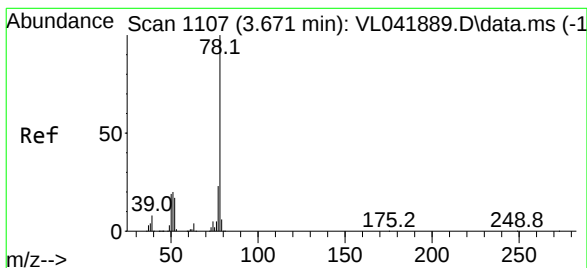
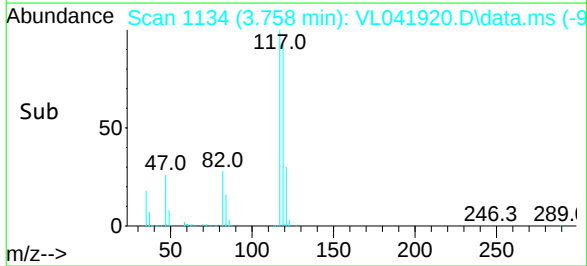
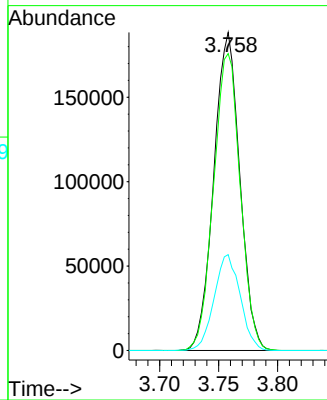
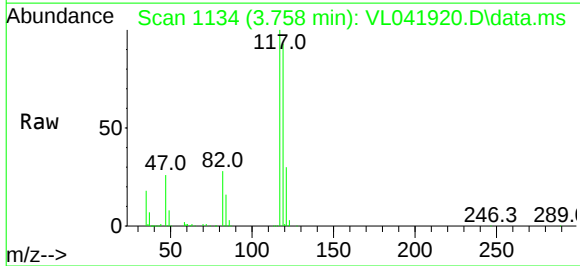
VL0120ABS01

Tgt Ion:	117	Resp:	289005
Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.9	115.3
121	30.1	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: 10.519 ppbv

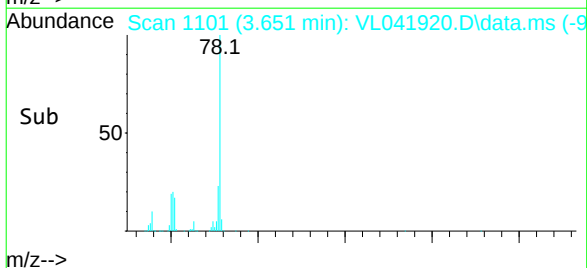
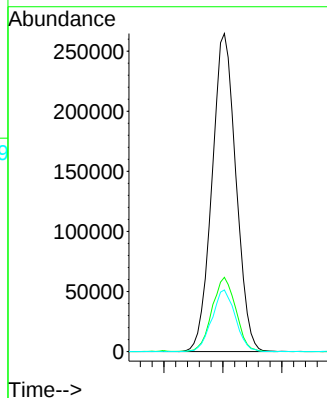
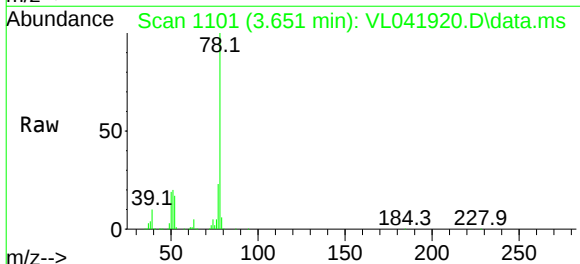
RT: 3.651 min Scan# 1101

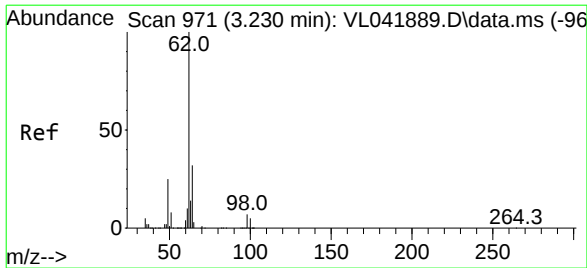
Delta R.T. -0.019 min

Lab File: VL041920.D

Acq: 20 Jan 2025 14:49

Tgt Ion:	78	Resp:	373474
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.1	27.1
50	19.4	15.2	22.8





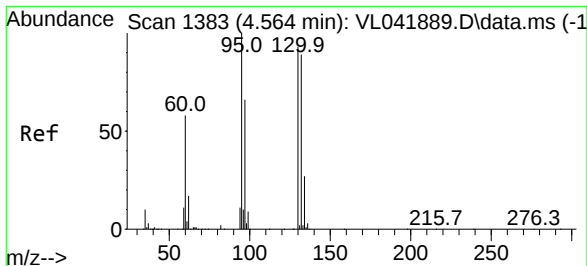
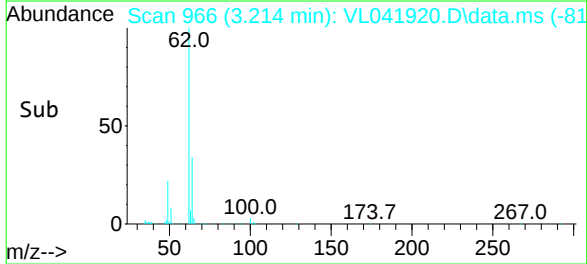
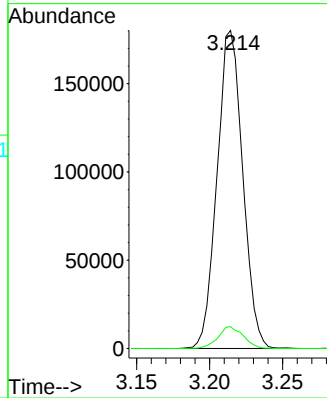
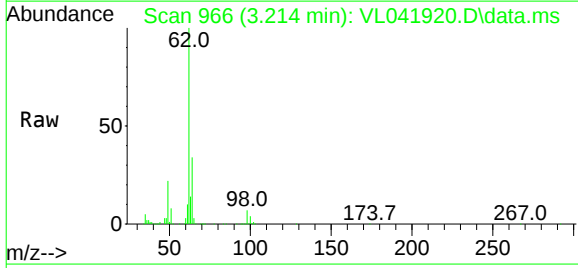
#37
1,2-Dichloroethane
Concen: 11.038 ppbv
RT: 3.214 min Scan# 96
Delta R.T. -0.016 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

Tgt Ion: 62 Resp: 220096
Ion Ratio Lower Upper
62 100
98 6.8 5.4 8.0

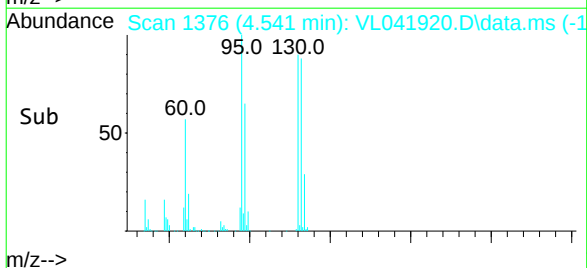
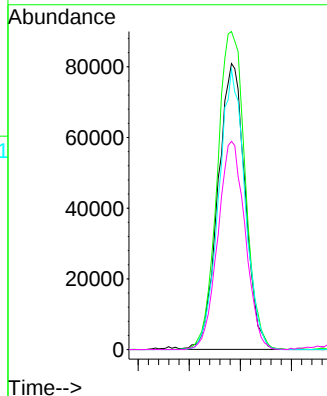
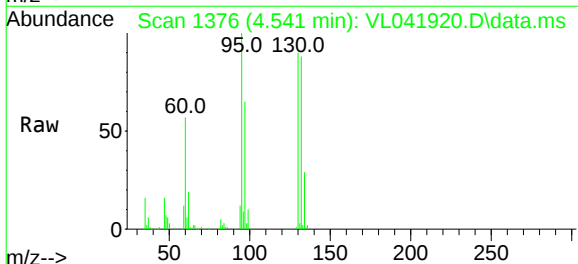
Manual Integrations
APPROVED

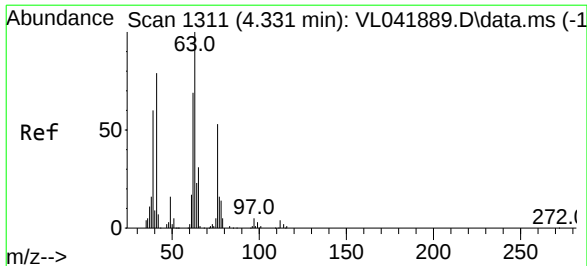
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#38
Trichloroethene
Concen: 10.521 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.023 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

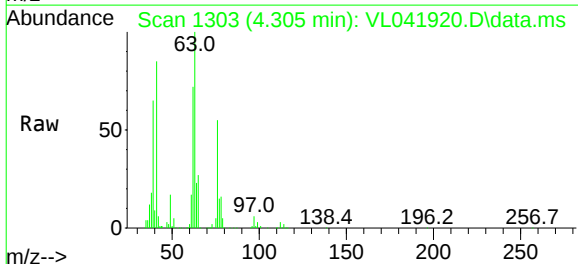
Tgt Ion:130 Resp: 148232
Ion Ratio Lower Upper
130 100
95 111.1 85.8 128.8
132 98.0 76.5 114.7
97 72.8 56.8 85.2





#39
1,2-Dichloropropane
Concen: 10.591 ppbv
RT: 4.305 min Scan# 1311
Delta R.T. -0.026 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

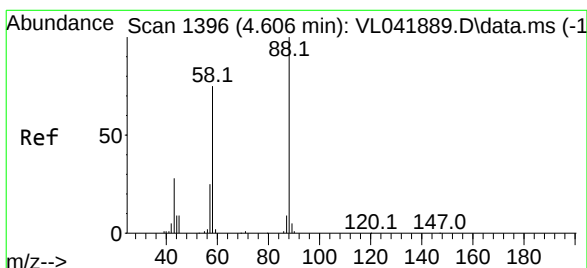
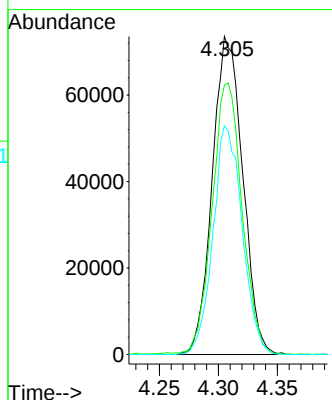
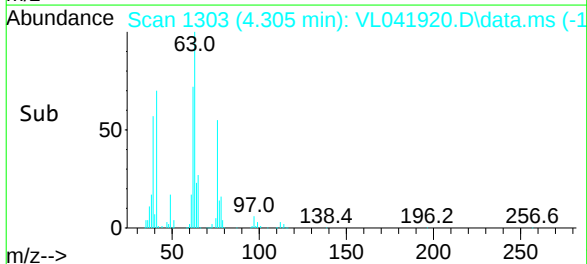
Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01



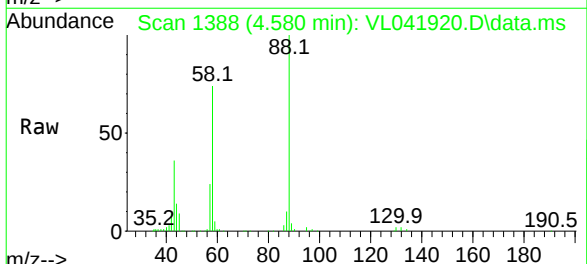
Tgt Ion: 63 Resp: 131897
Ion Ratio Lower Upper
63 100
41 84.3 63.7 95.5
62 71.8 55.4 83.2

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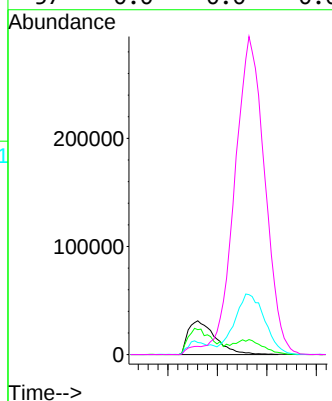
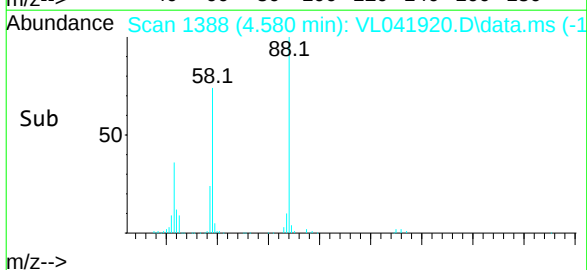
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

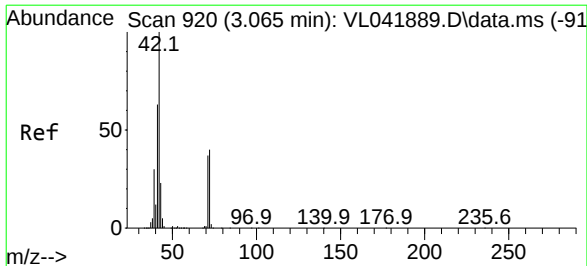


#40
1,4-Dioxane
Concen: 9.590 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. -0.026 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49



Tgt Ion: 88 Resp: 60318
Ion Ratio Lower Upper
88 100
58 68.4 62.1 93.1
43 0.0 0.0 0.0
57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 10.861 ppbv

RT: 3.052 min Scan# 91

Delta R.T. -0.013 min

Lab File: VL041920.D

Acq: 20 Jan 2025 14:49

Instrument :

MSVOA_L

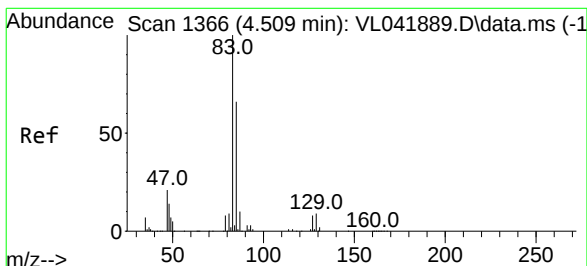
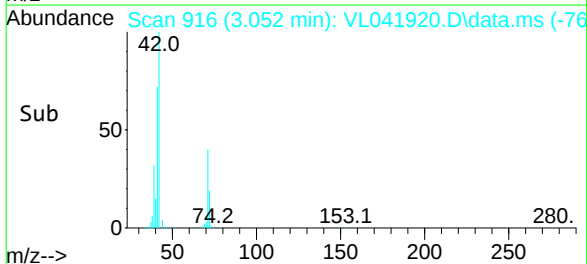
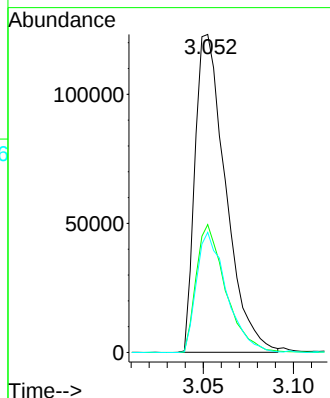
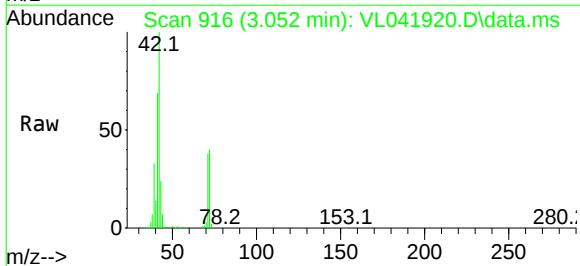
ClientSampleId :

VL0120ABS01

Tgt Ion: 42	Resp: 145307
Ion Ratio	Lower Upper
42 100	
72 38.9	32.3 48.5
71 37.3	29.9 44.9

Manual Integrations
APPROVED

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



#42

Bromodichloromethane

Concen: 11.257 ppbv

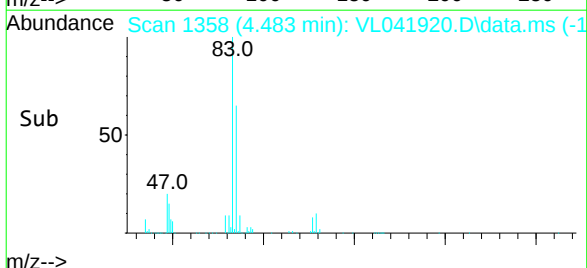
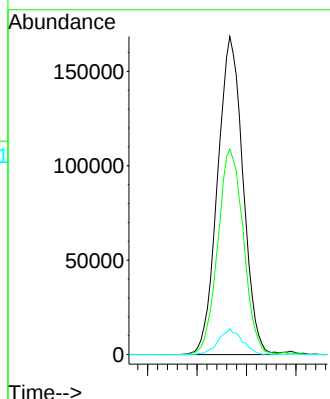
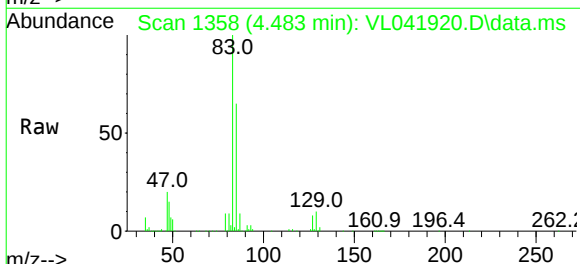
RT: 4.483 min Scan# 1358

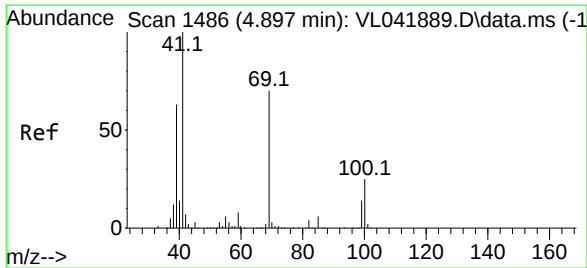
Delta R.T. -0.026 min

Lab File: VL041920.D

Acq: 20 Jan 2025 14:49

Tgt Ion: 83	Resp: 300955
Ion Ratio	Lower Upper
83 100	
85 64.6	52.6 78.8
127 8.1	6.4 9.6





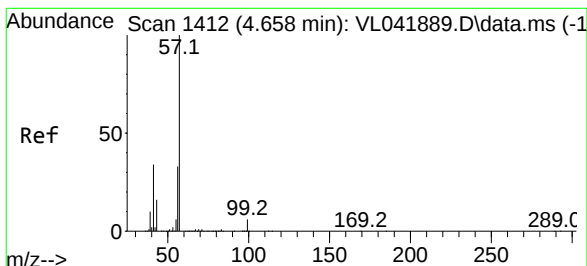
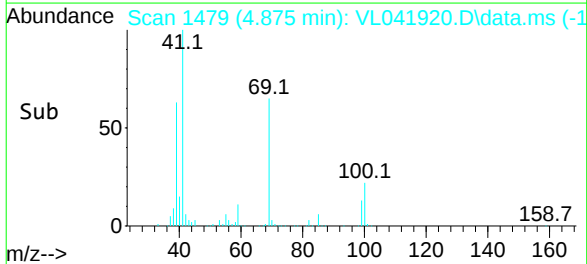
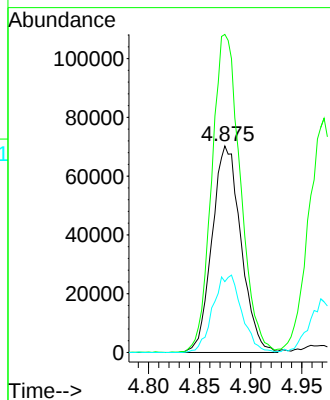
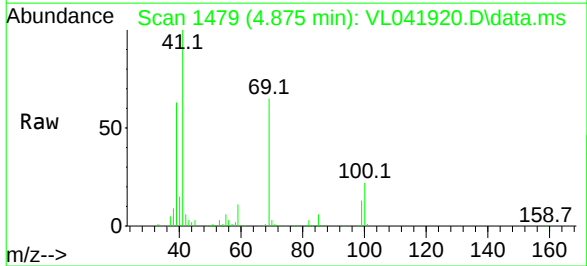
#43
Methyl Methacrylate
Concen: 10.472 ppbv
RT: 4.875 min Scan# 1412
Delta R.T. -0.023 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

Tgt Ion: 69 Resp: 138125
Ion Ratio Lower Upper
69 100
41 152.5 118.6 177.8
100 37.4 29.3 43.9

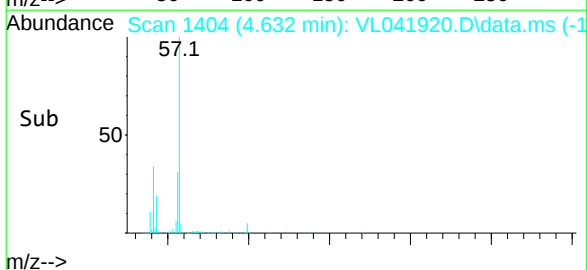
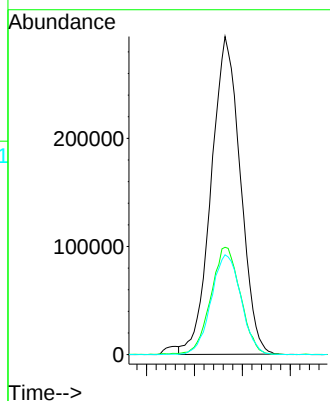
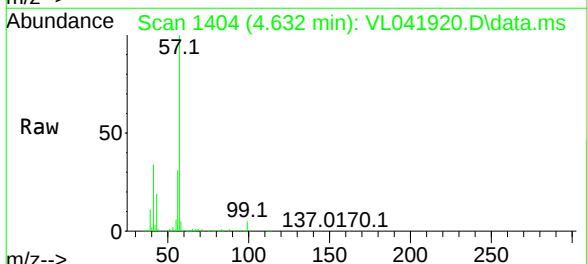
Manual Integrations
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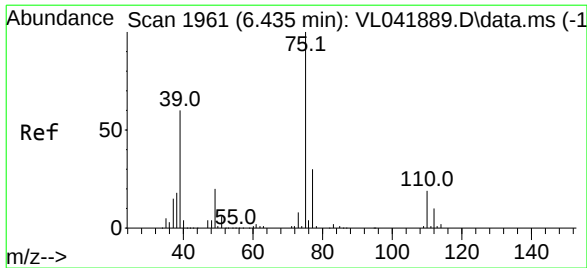
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#44
2,2,4-Trimethylpentane
Concen: 10.813 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.026 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Tgt Ion: 57 Resp: 620956
Ion Ratio Lower Upper
57 100
41 34.5 26.6 40.0
56 32.2 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 10.916 ppbv

RT: 6.412 min Scan# 19

Delta R.T. -0.023 min

Lab File: VL041920.D

Acq: 20 Jan 2025 14:49

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

Tgt Ion: 75 Resp: 134773

Ion Ratio Lower Upper

75 100

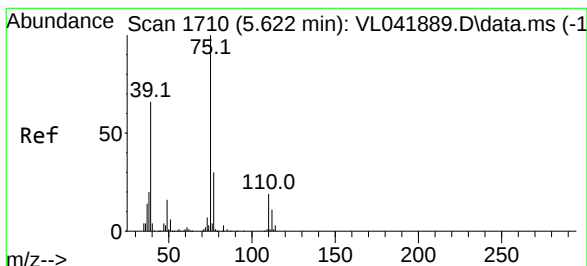
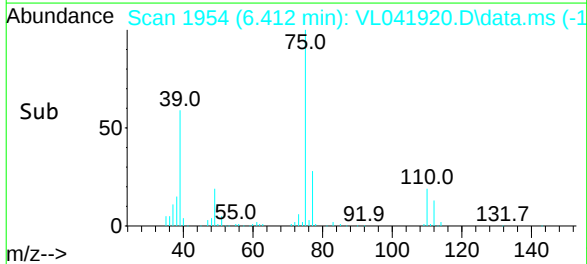
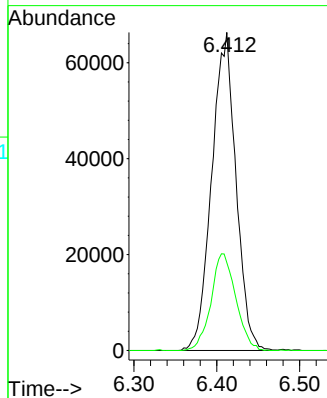
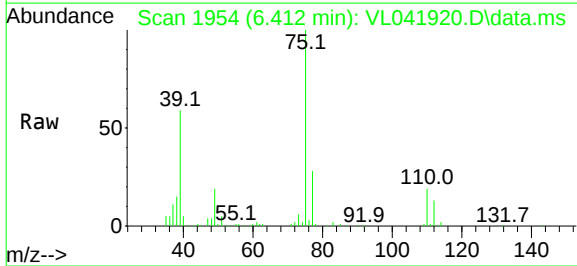
77 27.6 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#46

cis-1,3-Dichloropropene

Concen: 10.984 ppbv

RT: 5.590 min Scan# 1700

Delta R.T. -0.032 min

Lab File: VL041920.D

Acq: 20 Jan 2025 14:49

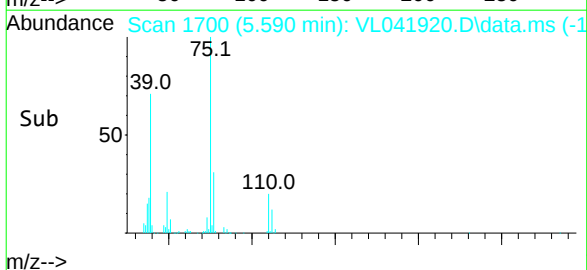
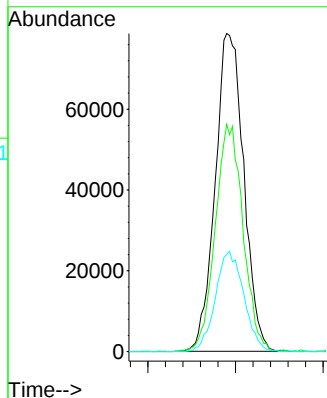
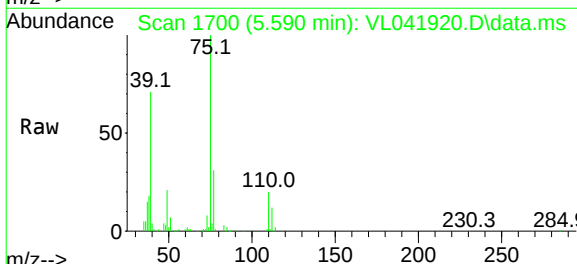
Tgt Ion: 75 Resp: 178041

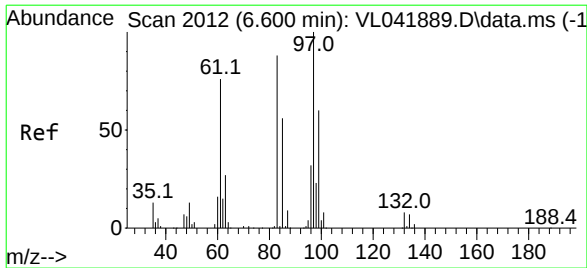
Ion Ratio Lower Upper

75 100

39 71.4 53.1 79.7

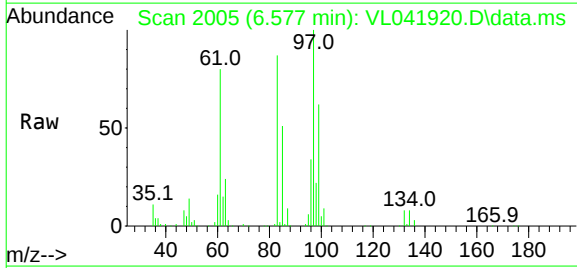
77 30.6 23.8 35.8





#47
1,1,2-Trichloroethane
Concen: 10.855 ppbv
RT: 6.577 min Scan# 2012
Delta R.T. -0.023 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

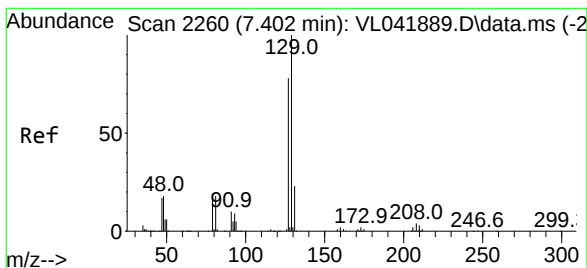
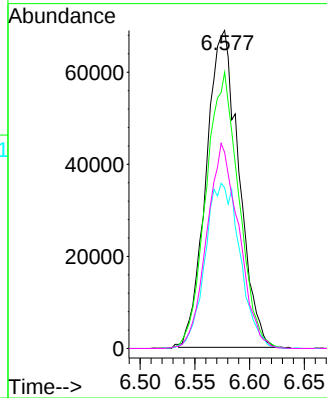
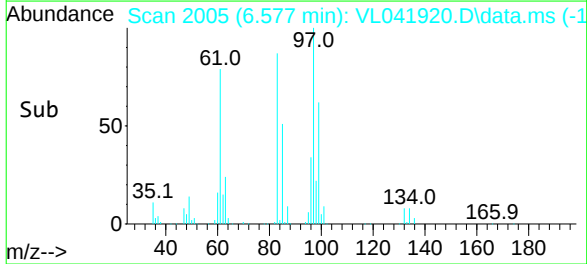
Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01



Tgt Ion: 97 Resp: 143288
Ion Ratio Lower Upper
97 100
83 86.7 70.4 105.6
85 50.4 45.0 67.4
99 61.7 48.1 72.1

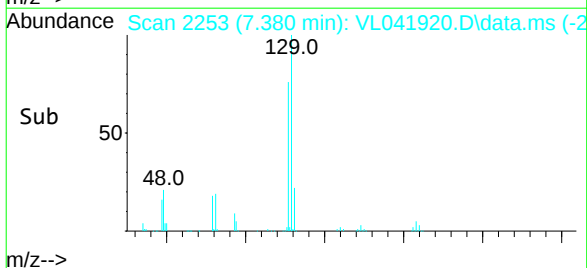
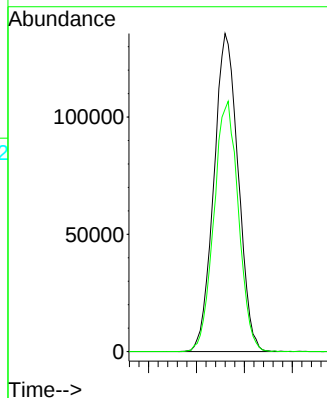
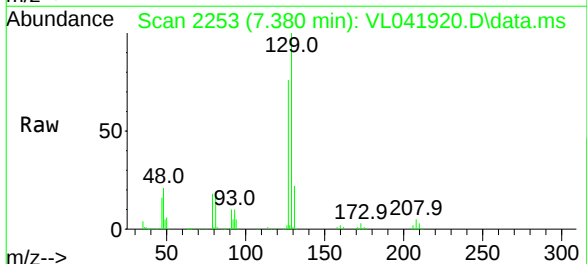
Manual Integrations
APPROVED

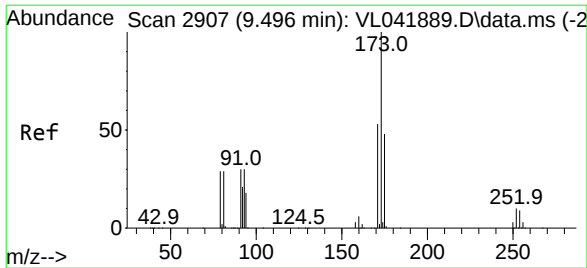
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#48
Dibromochloromethane
Concen: 11.751 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.023 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Tgt Ion:129 Resp: 239335
Ion Ratio Lower Upper
129 100
127 79.2 39.3 117.8





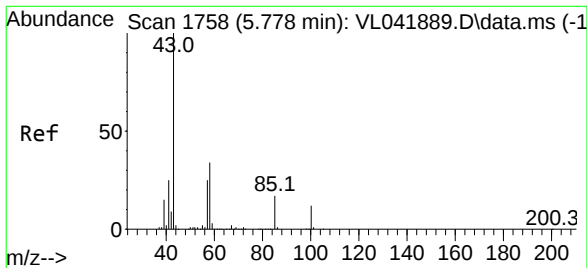
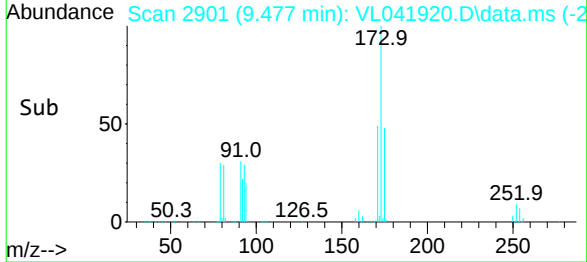
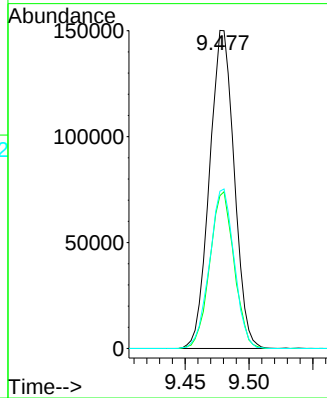
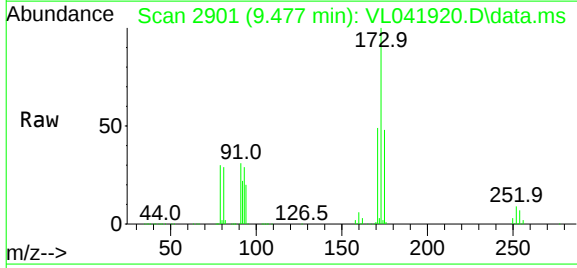
#49
Bromoform
Concen: 12.076 ppbv
RT: 9.477 min Scan# 2907
Delta R.T. -0.019 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

Tgt Ion: 173 Resp: 202023
Ion Ratio Lower Upper
173 100
175 48.3 38.4 57.6
171 50.0 41.4 62.2

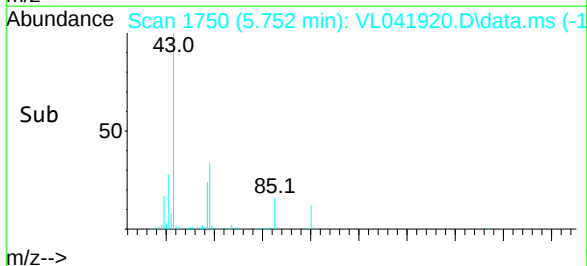
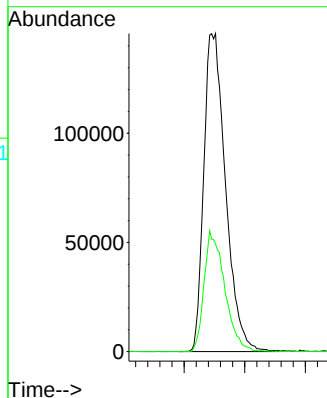
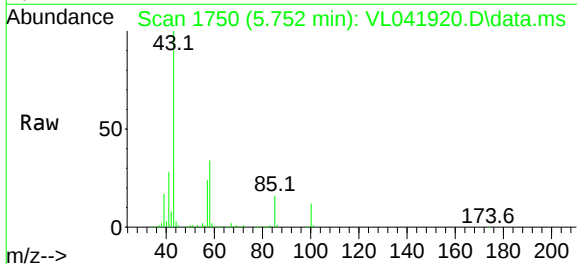
Manual Integrations
APPROVED

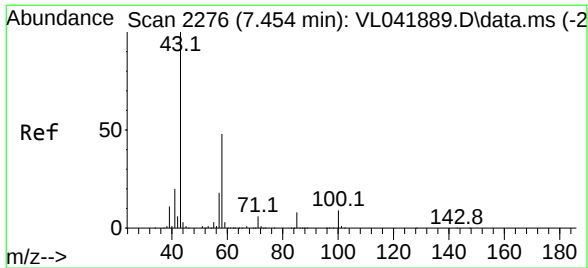
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#50
4-Methyl-2-Pentanone
Concen: 10.822 ppbv m
RT: 5.752 min Scan# 1750
Delta R.T. -0.026 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

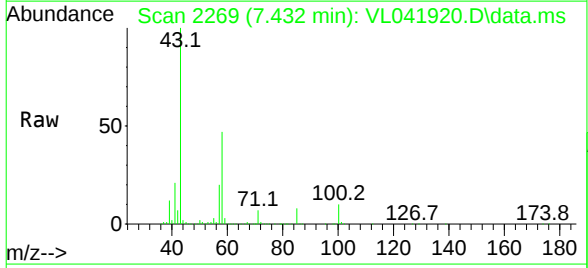
Tgt Ion: 43 Resp: 363704
Ion Ratio Lower Upper
43 100
58 35.8 29.0 43.6





#51
2-Hexanone
Concen: 11.075 ppbv
RT: 7.432 min Scan# 2276
Delta R.T. -0.023 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

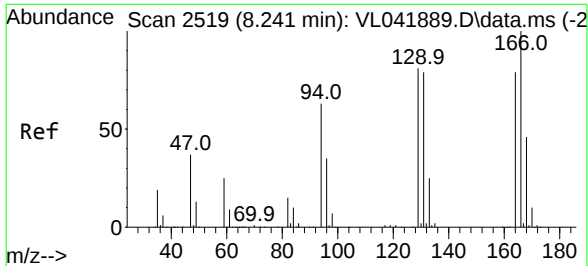
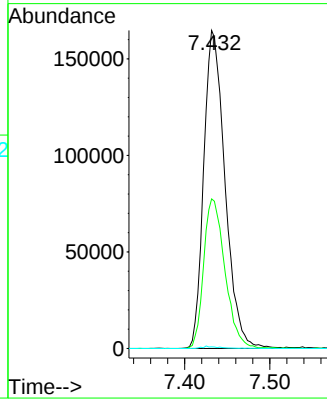
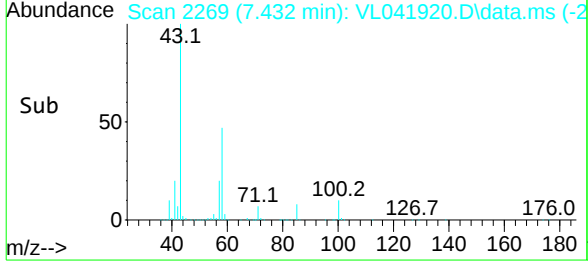
Instrument : MSVOA_L
ClientSampleId : VL0120ABS01



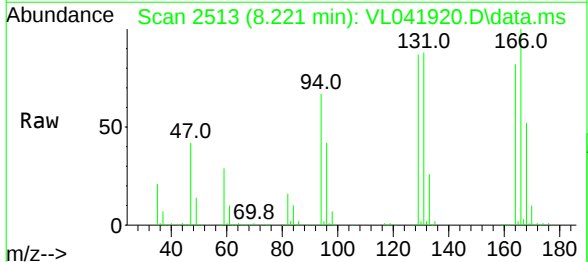
Tgt Ion: 43 Resp: 285982
Ion Ratio Lower Upper
43 100
58 47.2 40.4 60.6
98 0.6 0.2 0.2

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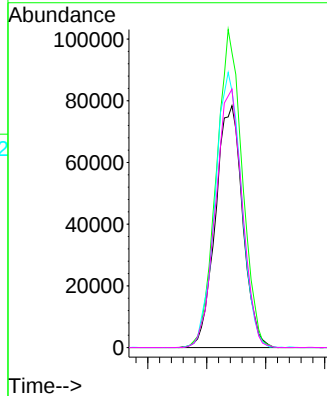
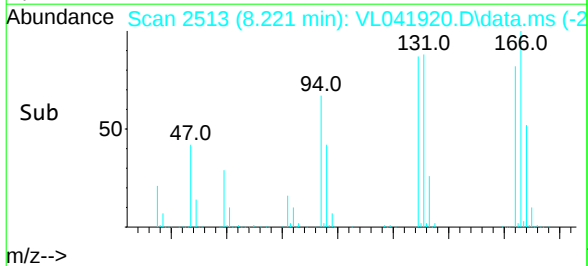
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

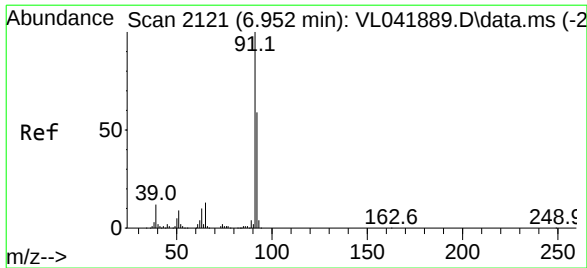


#52
Tetrachloroethene
Concen: 10.172 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.019 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49



Tgt Ion:164 Resp: 125228
Ion Ratio Lower Upper
164 100
166 121.9 100.8 151.2
129 106.1 82.0 123.0
131 106.8 80.2 120.2





#53

Toluene

Concen: 10.923 ppbv

RT: 6.927 min Scan# 211

Delta R.T. -0.026 min

Lab File: VL041920.D

Acq: 20 Jan 2025 14:49

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

Tgt Ion: 91 Resp: 422420

Ion Ratio Lower Upper

91 100

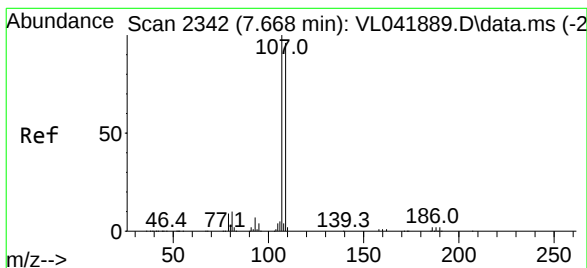
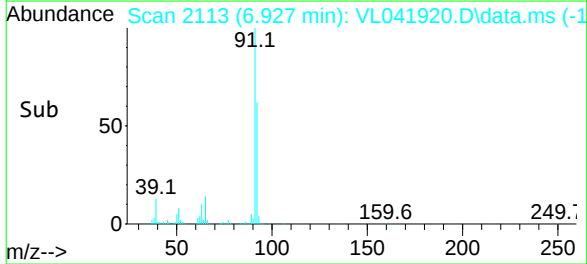
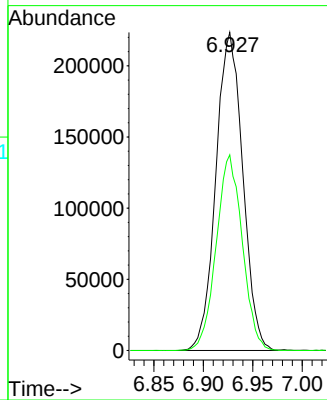
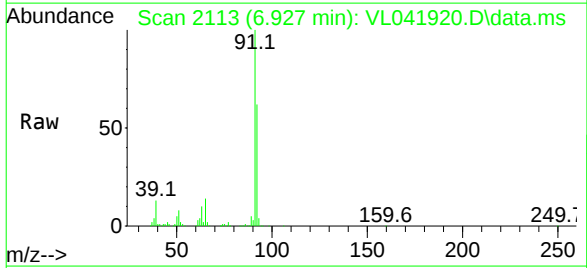
92 59.6 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#54

1,2-Dibromoethane

Concen: 11.005 ppbv

RT: 7.649 min Scan# 2336

Delta R.T. -0.019 min

Lab File: VL041920.D

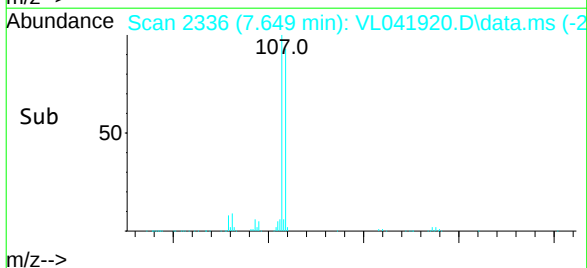
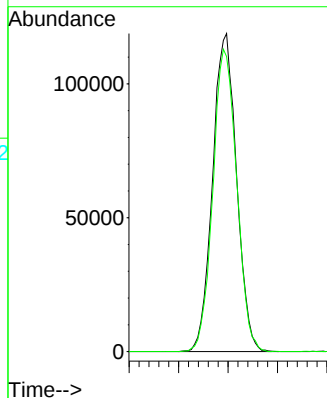
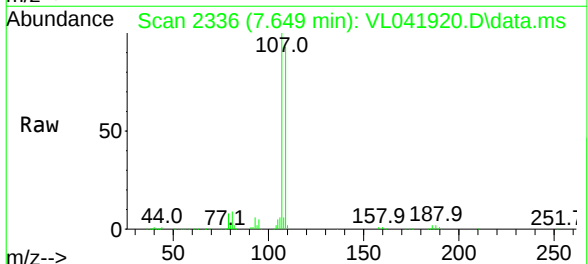
Acq: 20 Jan 2025 14:49

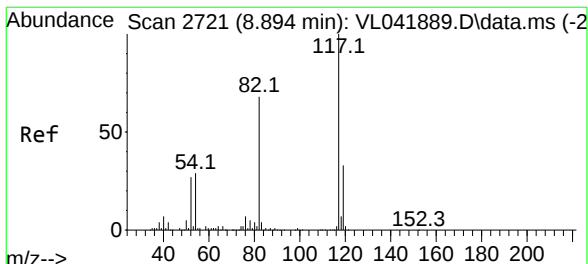
Tgt Ion:107 Resp: 199693

Ion Ratio Lower Upper

107 100

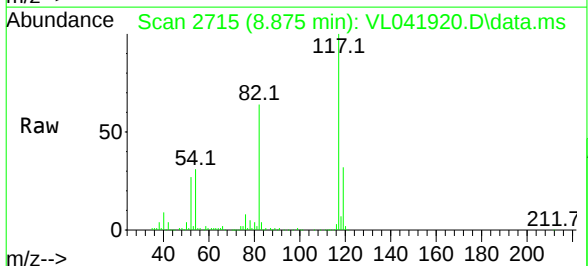
109 92.8 76.7 115.1





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 8.875 min Scan# 2715
 Delta R.T. -0.019 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49

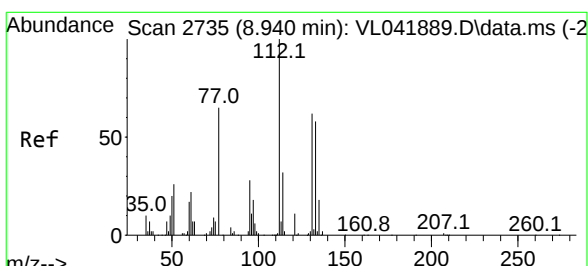
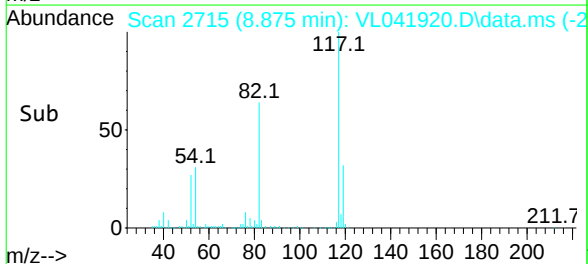
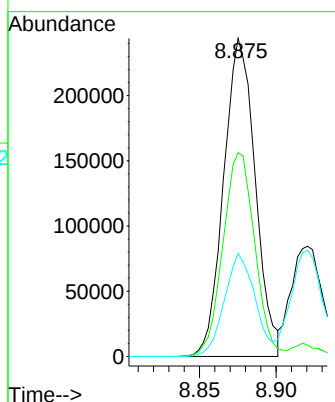
Instrument : MSVOA_L
 ClientSampleId : VL0120ABS01



Tgt Ion:	117	Resp:	349589
Ion	Ratio	Lower	Upper
117	100		
82	67.9	54.2	81.4
119	32.2	25.0	37.6

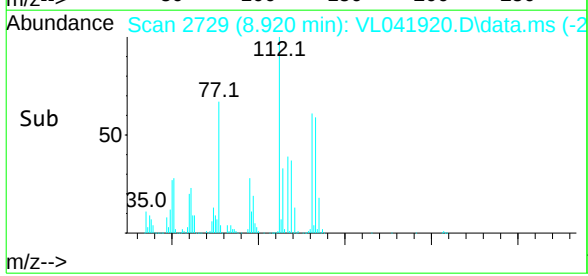
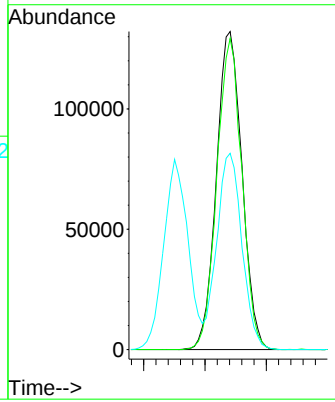
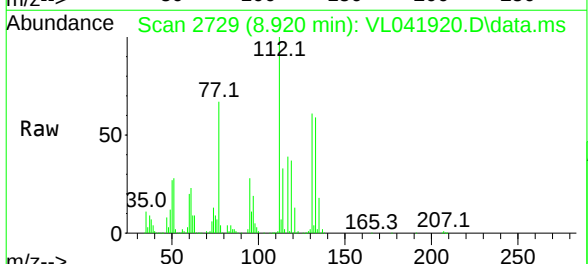
Manual Integrations
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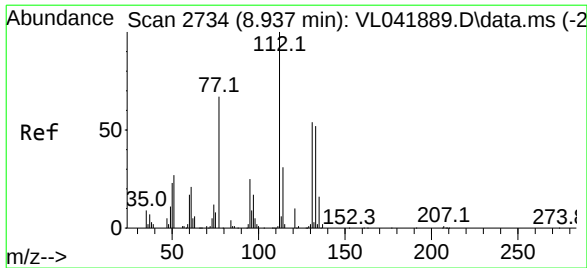
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025



#56
 1,1,1,2-Tetrachloroethane
 Concen: 11.008 ppbv
 RT: 8.920 min Scan# 2729
 Delta R.T. -0.019 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49

Tgt Ion:	131	Resp:	192001
Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.0	114.0
119	60.7	49.7	74.5





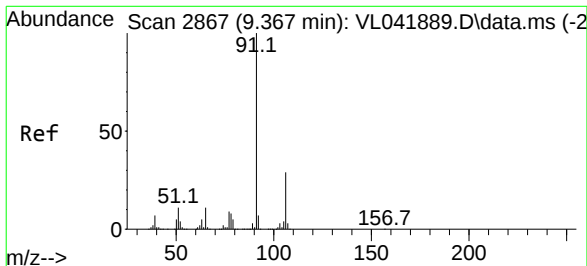
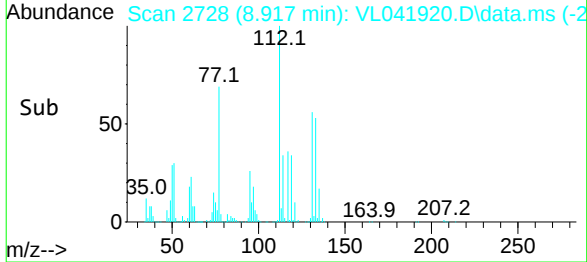
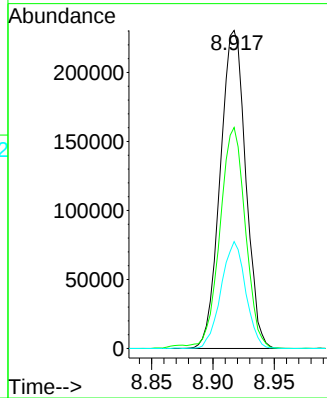
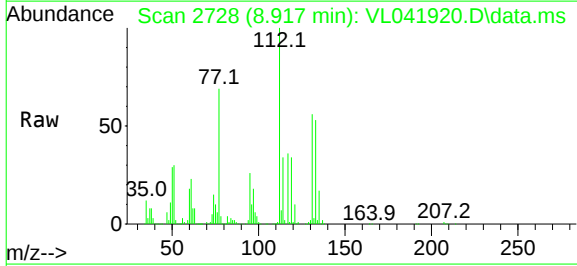
#57
Chlorobenzene
Concen: 10.342 ppbv
RT: 8.917 min Scan# 2734
Delta R.T. -0.019 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

Tgt Ion:	112	Resp:	333484
Ion	Ratio	Lower	Upper
112	100		
77	69.3	54.6	82.0
114	33.5	28.2	34.4

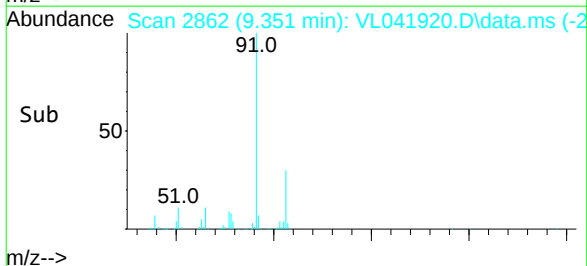
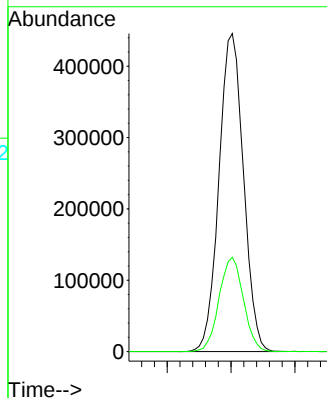
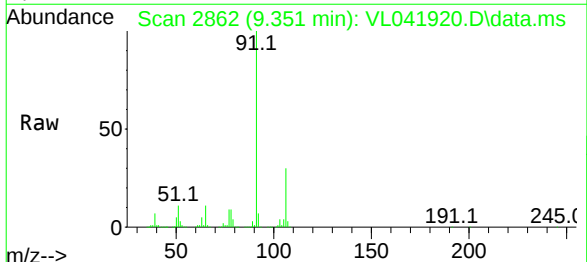
Manual Integrations
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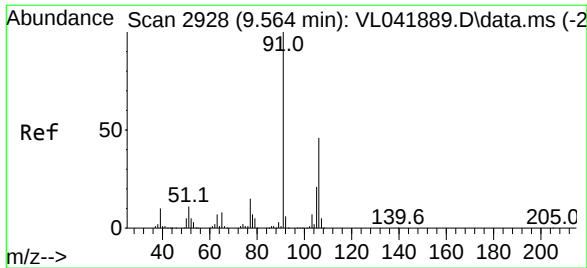
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#58
Ethyl Benzene
Concen: 10.876 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.016 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Tgt Ion:	91	Resp:	594180
Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.1	34.7





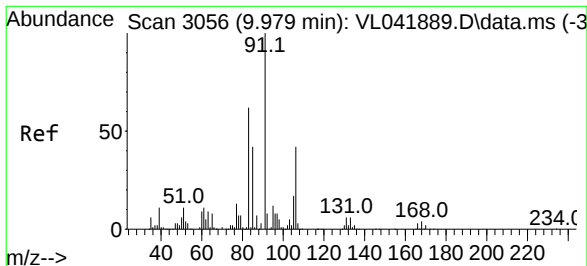
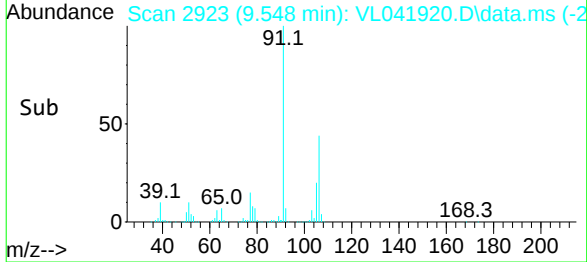
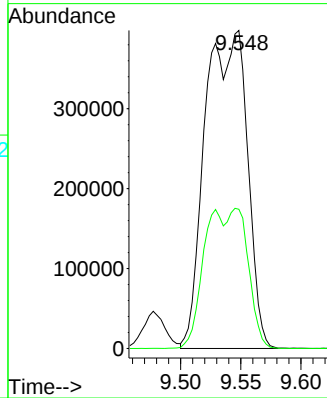
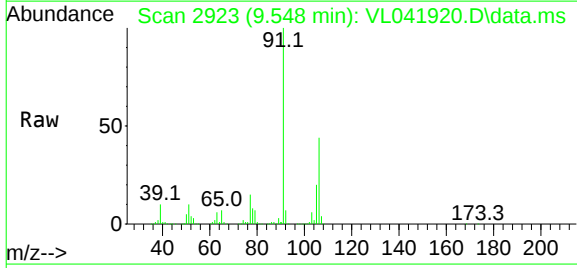
#59
m/p-Xylene
Concen: 22.095 ppbv m
RT: 9.548 min Scan# 29
Delta R.T. -0.016 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

Tgt Ion: 91 Resp: 967584
Ion Ratio Lower Upper
91 100
106 45.3 36.0 54.0

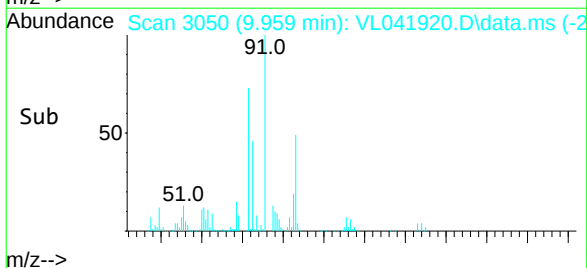
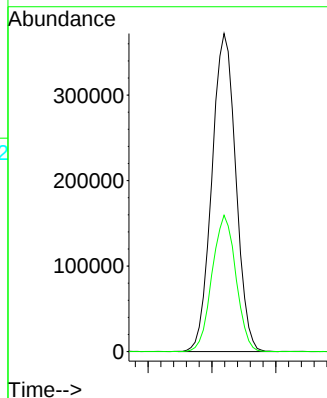
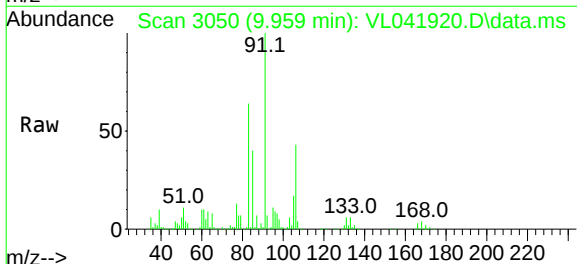
Manual Integrations
APPROVED

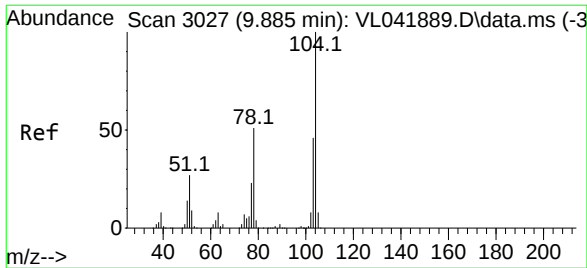
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#60
o-Xylene
Concen: 11.155 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.019 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Tgt Ion: 91 Resp: 484897
Ion Ratio Lower Upper
91 100
106 42.6 21.3 63.9





#61

Styrene

Concen: 11.180 ppbv

RT: 9.866 min Scan# 3027

Delta R.T. -0.019 min

Lab File: VL041920.D

Acq: 20 Jan 2025 14:49

Instrument :

MSVOA_L

ClientSampleId :

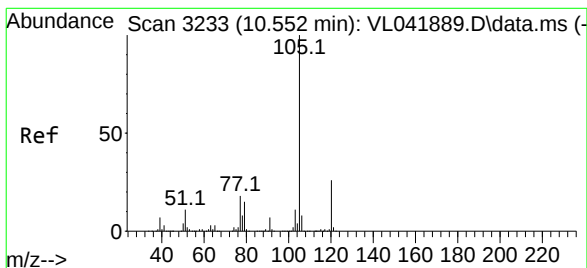
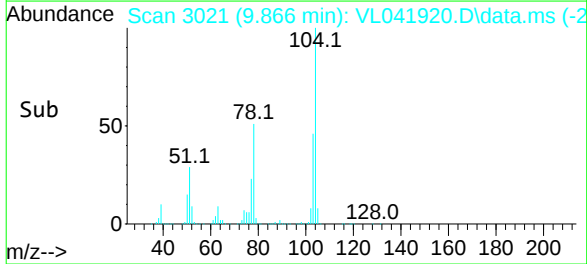
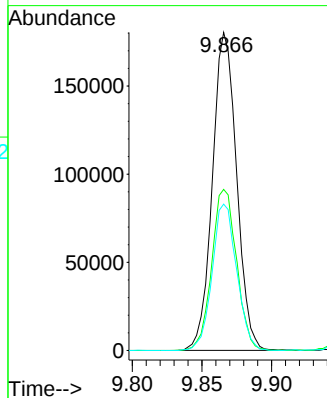
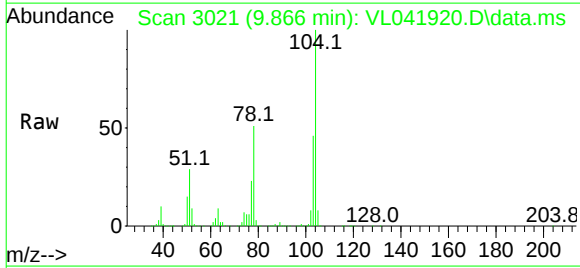
VL0120ABS01

Tgt Ion:104 Resp: 217994
 Ion Ratio Lower Upper
 104 100
 78 52.0 41.0 61.6
 103 46.8 37.2 55.8

Manual Integrations

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



#62

Isopropylbenzene

Concen: 10.900 ppbv

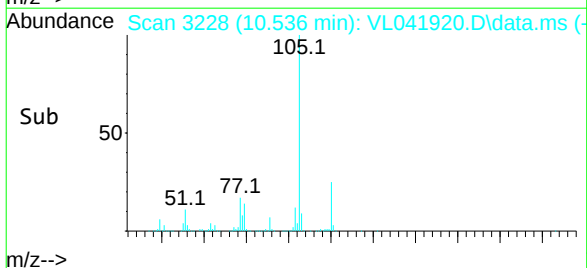
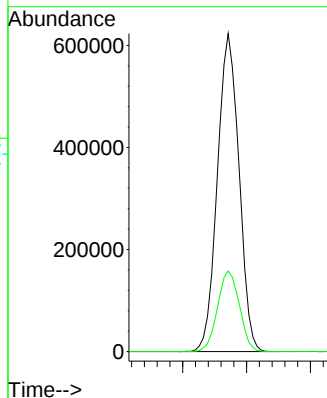
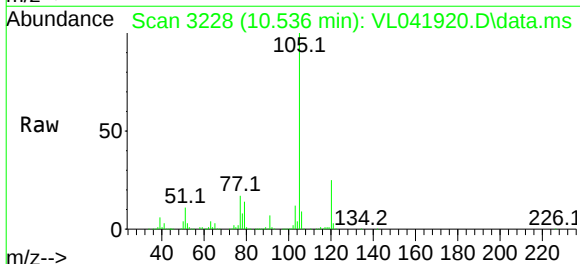
RT: 10.536 min Scan# 3228

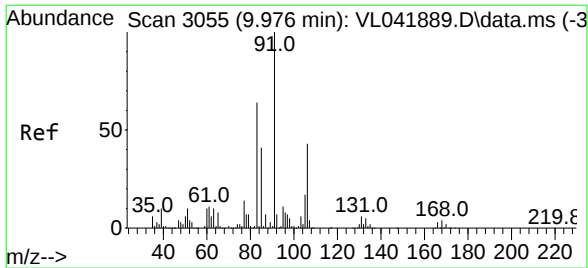
Delta R.T. -0.016 min

Lab File: VL041920.D

Acq: 20 Jan 2025 14:49

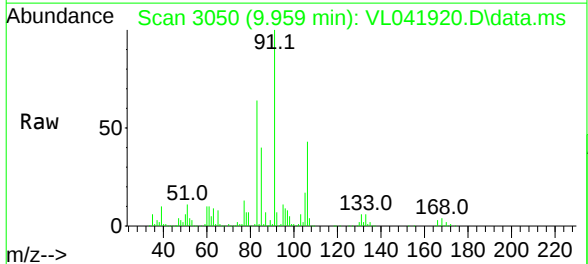
Tgt Ion:105 Resp: 733114
 Ion Ratio Lower Upper
 105 100
 120 25.6 20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 10.951 ppbv
RT: 9.959 min Scan# 304162
Delta R.T. -0.016 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

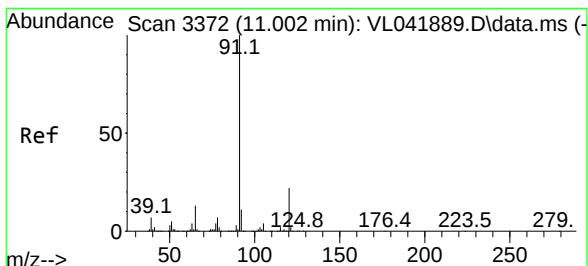
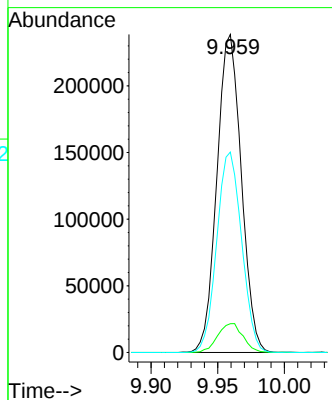
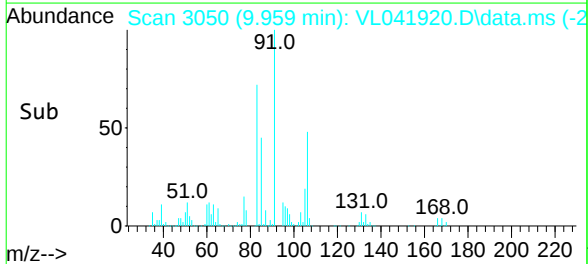
Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01



Tgt Ion	83	Resp	304162
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	64.1	32.4	97.2

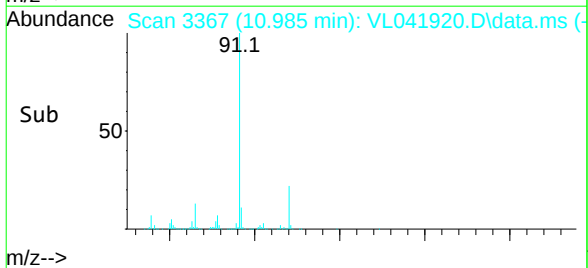
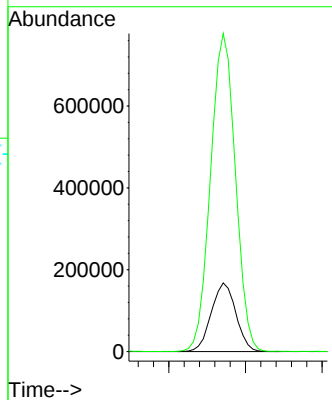
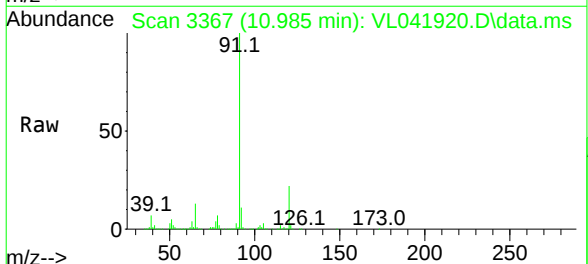
Manual Integrations
APPROVED

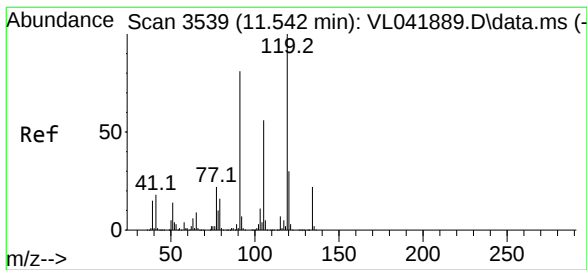
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#64
n-propylbenzene
Concen: 11.014 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.016 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

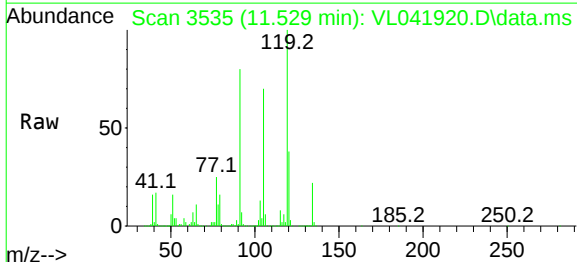
Tgt Ion	120	Resp	187191
Ion	Ratio	Lower	Upper
120	100		
91	468.8	374.1	561.1





#65
tert-Butylbenzene
Concen: 10.846 ppbv
RT: 11.529 min Scan# 3539
Delta R.T. -0.013 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

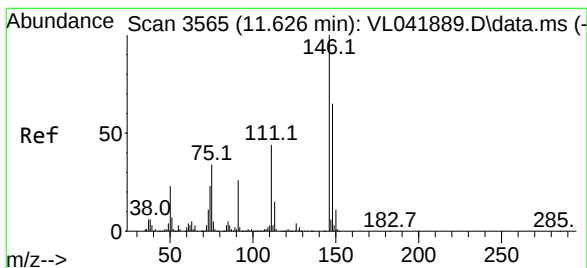
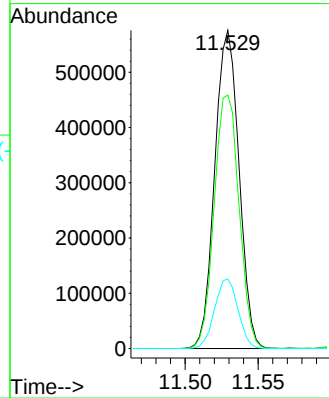
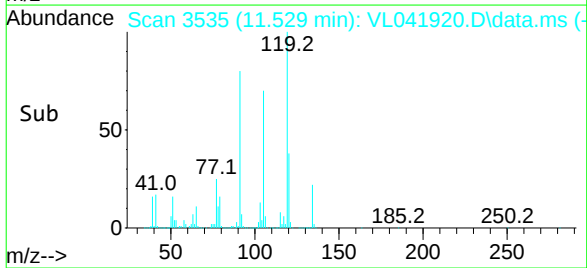
Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01



Tgt Ion: 119 Resp: 664818
Ion Ratio Lower Upper
119 100
91 81.9 64.6 97.0
134 21.1 16.8 25.2

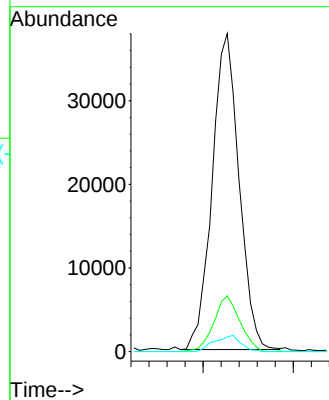
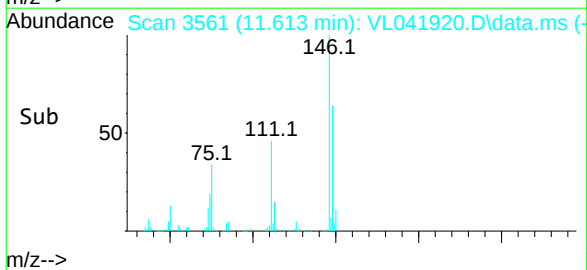
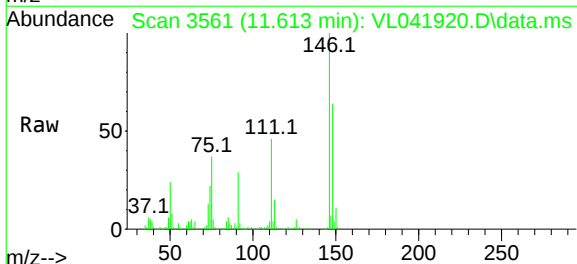
Manual Integrations
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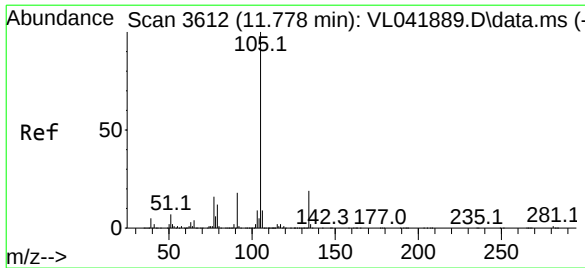
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#66
Benzyl Chloride
Concen: 10.309 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.013 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Tgt Ion: 91 Resp: 39111
Ion Ratio Lower Upper
91 100
126 17.1 14.1 21.1
128 5.1 4.3 6.5





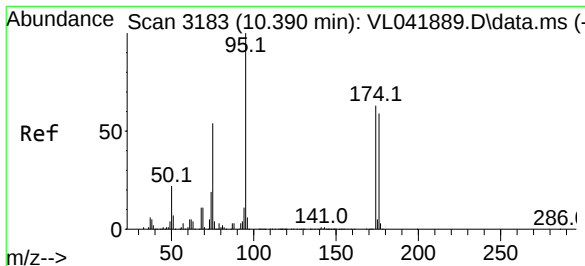
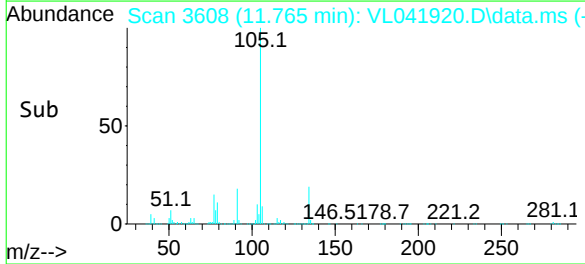
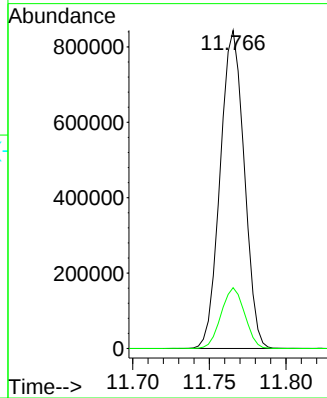
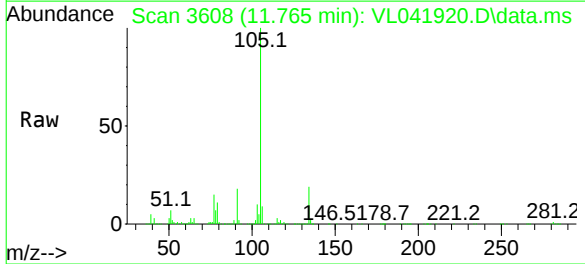
#67
 sec-Butylbenzene
 Concen: 10.900 ppbv
 RT: 11.765 min Scan# 3612
 Delta R.T. -0.013 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01

Tgt Ion: 105 Resp: 919962
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.1 22.7

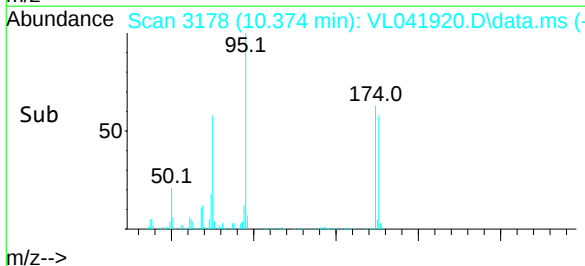
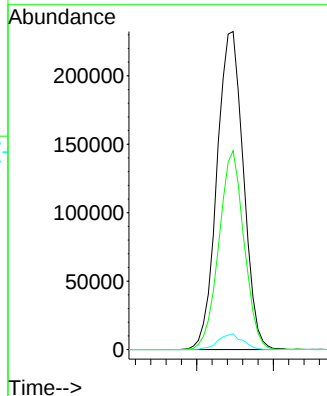
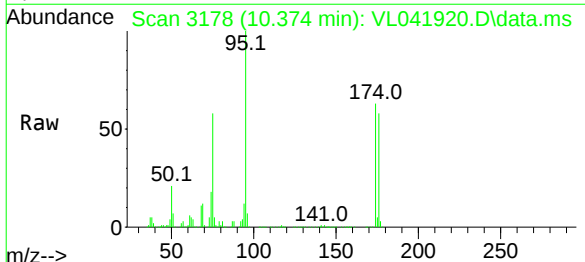
Manual Integrations
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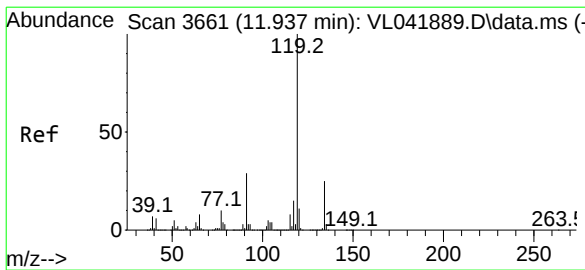
Reviewed By : Semsettin Yesilyurt 01/21/2025
 Supervised By : Mahesh Dadoda 01/21/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.122 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.016 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49

Tgt Ion: 95 Resp: 278711
 Ion Ratio Lower Upper
 95 100
 174 59.5 49.0 73.4
 175 4.6 3.8 5.8





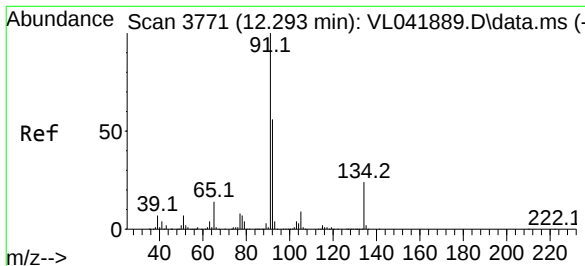
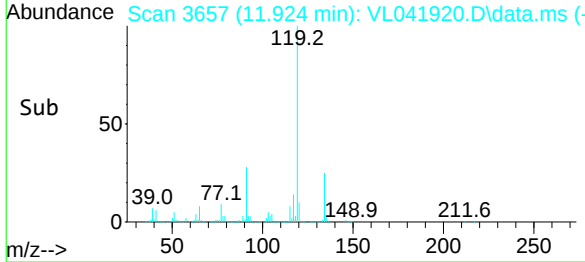
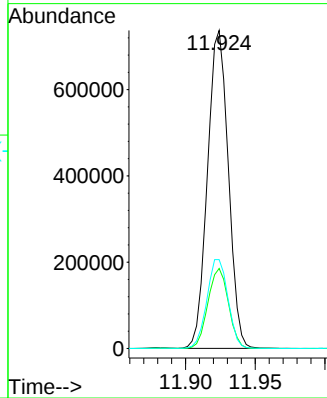
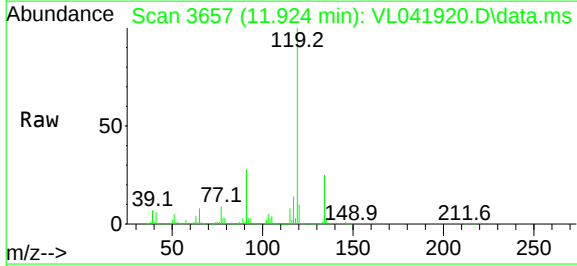
#69
p-Isopropyltoluene
Concen: 11.017 ppbv
RT: 11.924 min Scan# 3661
Delta R.T. -0.013 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

Tgt Ion:	119	Resp:	765677
Ion	Ratio	Lower	Upper
119	100		
134	24.9	19.8	29.6
91	28.5	23.0	34.4

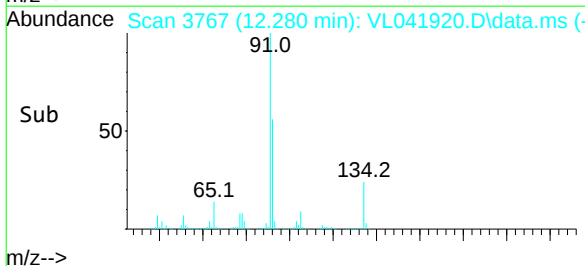
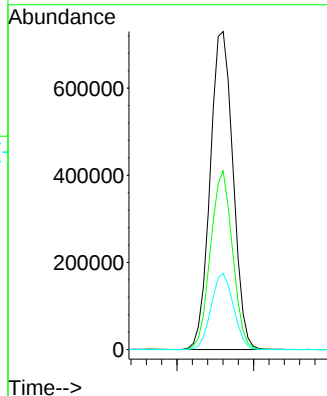
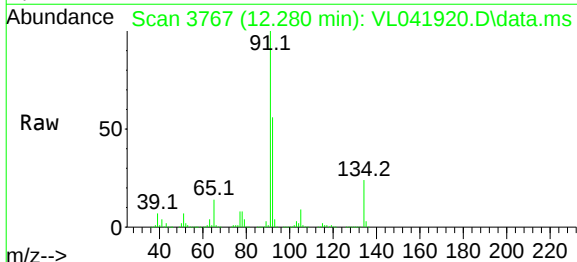
Manual Integrations
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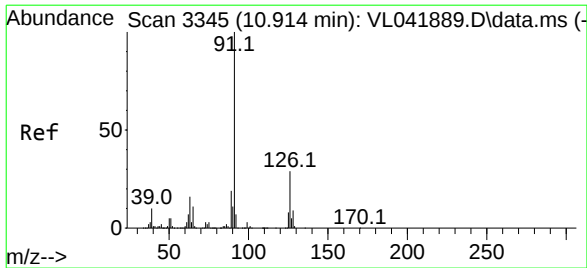
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#70
n-Butylbenzene
Concen: 10.981 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.013 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Tgt Ion:	91	Resp:	756926
Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.8	65.6
134	23.5	19.0	28.6





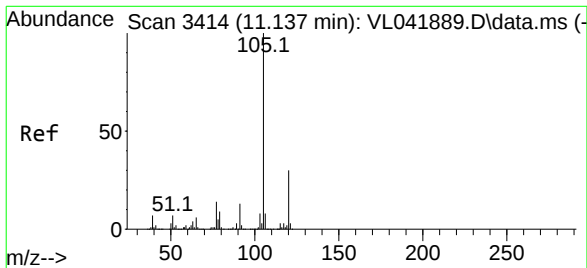
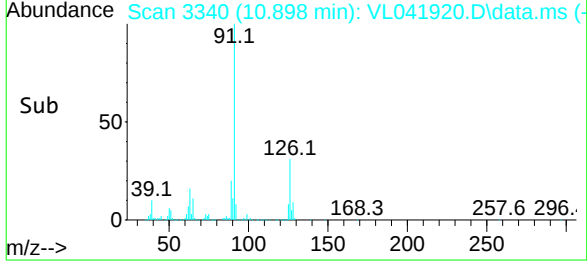
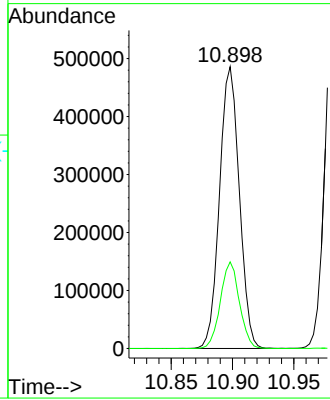
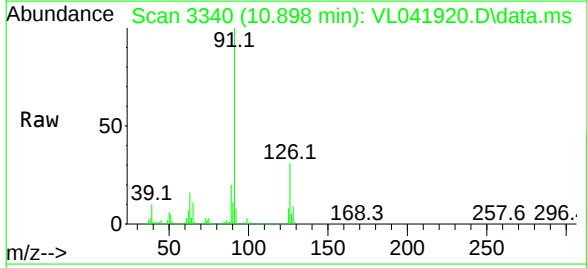
#71
2-Chlorotoluene
Concen: 10.953 ppbv
RT: 10.898 min Scan# 3345
Delta R.T. -0.016 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

Tgt Ion: 91 Resp: 544953
Ion Ratio Lower Upper
91 100
126 29.6 11.7 46.7

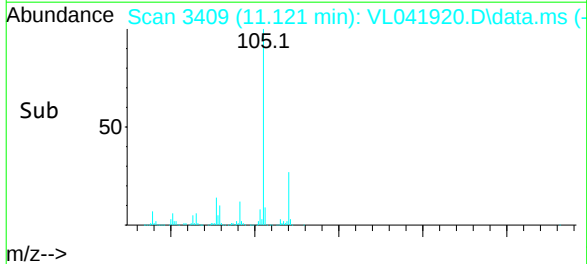
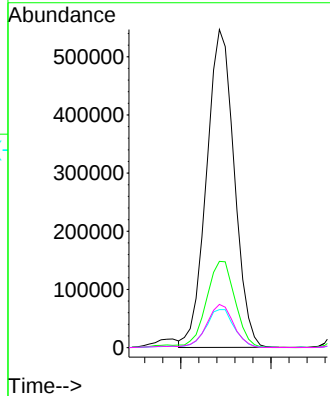
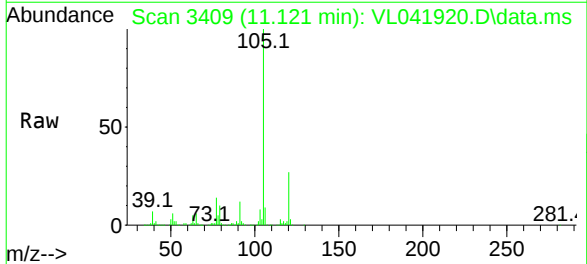
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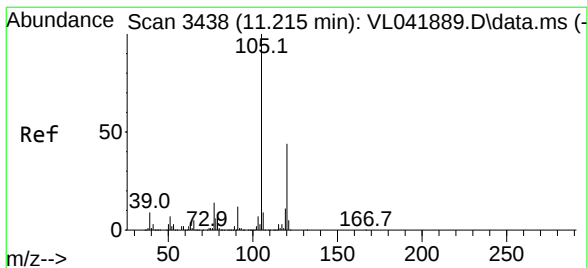
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#72
4-Ethyltoluene
Concen: 11.230 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.016 min
Lab File: VL041920.D
Acq: 20 Jan 2025 14:49

Tgt Ion:105 Resp: 583898
Ion Ratio Lower Upper
105 100
120 28.8 23.7 35.5
91 12.8 10.2 15.2
77 13.7 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 11.122 ppbv

RT: 11.199 min Scan# 34

Delta R.T. -0.016 min

Lab File: VL041920.D

Acq: 20 Jan 2025 14:49

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

Tgt Ion:105 Resp: 510670

Ion Ratio Lower Upper

105 100

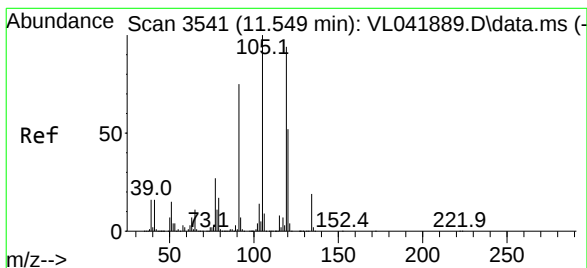
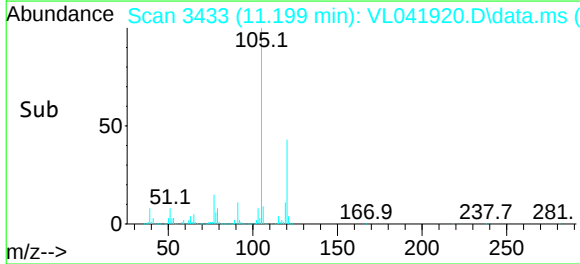
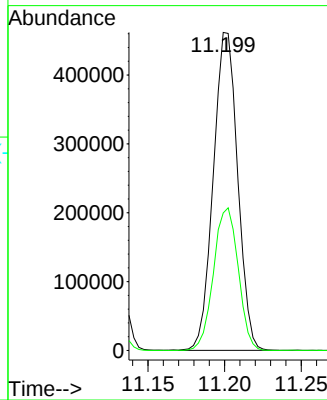
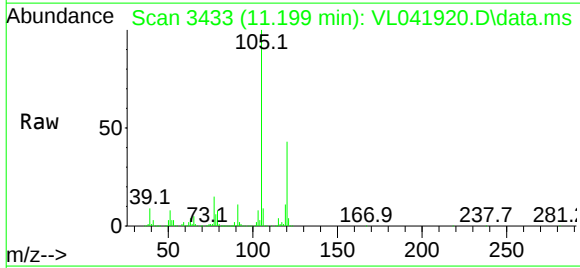
120 43.2 35.4 53.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.066 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.013 min

Lab File: VL041920.D

Acq: 20 Jan 2025 14:49

Tgt Ion:105 Resp: 550233

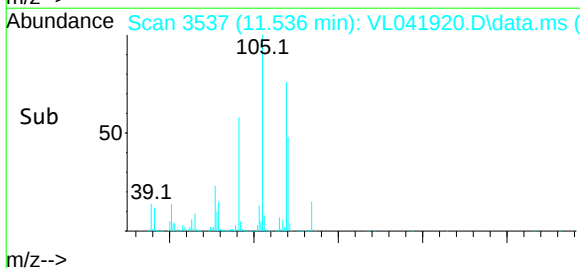
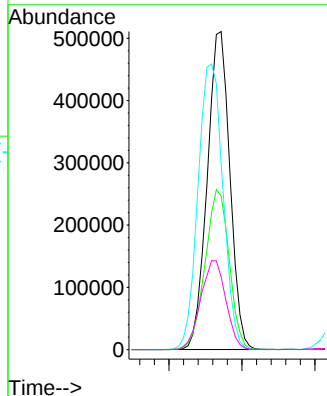
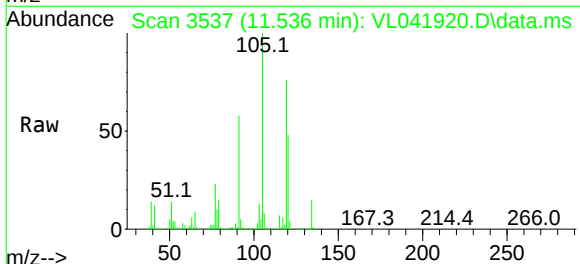
Ion Ratio Lower Upper

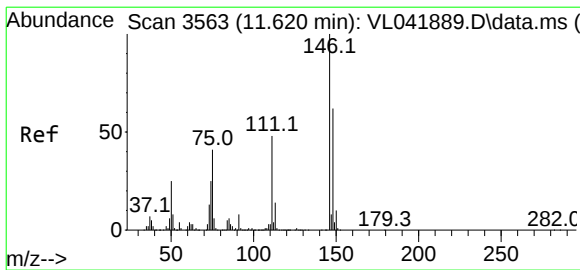
105 100

120 48.4 41.4 62.2

91 58.4 60.2 90.2#

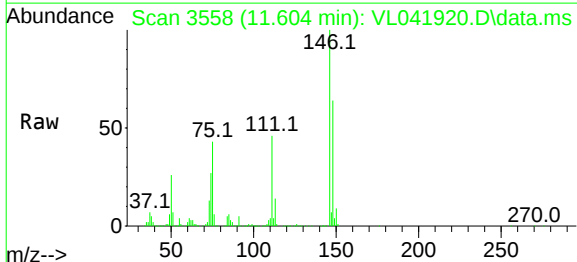
77 22.9 22.0 33.0





#75
 1,3-Dichlorobenzene
 Concen: 10.666 ppbv
 RT: 11.604 min Scan# 3563
 Delta R.T. -0.016 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49

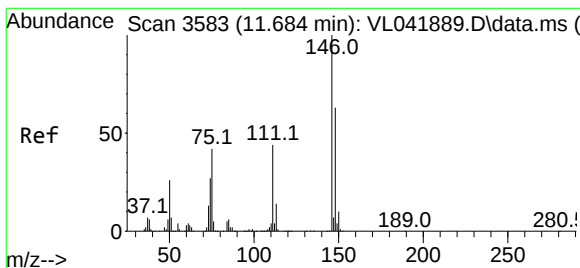
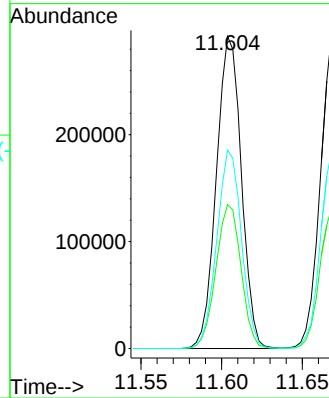
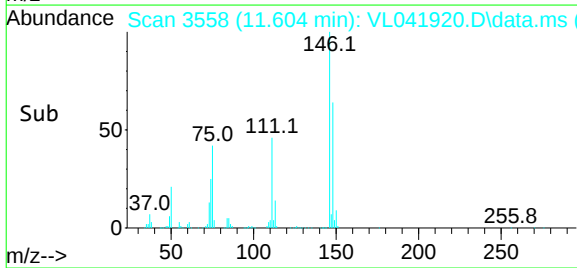
Instrument : MSVOA_L
 ClientSampleId : VL0120ABS01



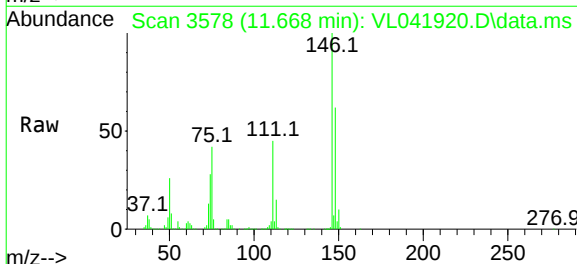
Tgt Ion:146 Resp: 314285
 Ion Ratio Lower Upper
 146 100
 111 46.4 23.6 70.8
 148 63.0 31.4 94.0

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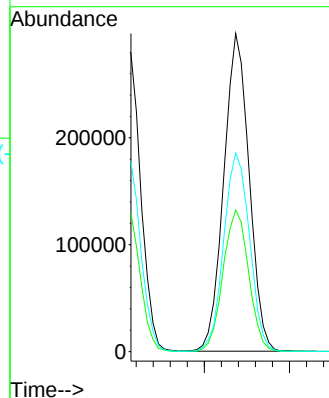
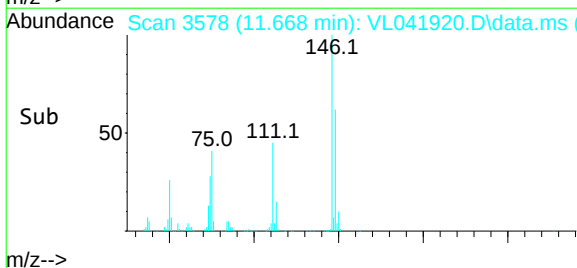
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025

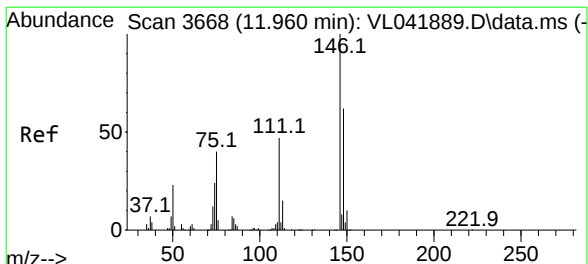


#76
 1,4-Dichlorobenzene
 Concen: 10.659 ppbv
 RT: 11.668 min Scan# 3578
 Delta R.T. -0.016 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49



Tgt Ion:146 Resp: 307295
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.4 67.0
 148 64.0 31.9 95.5





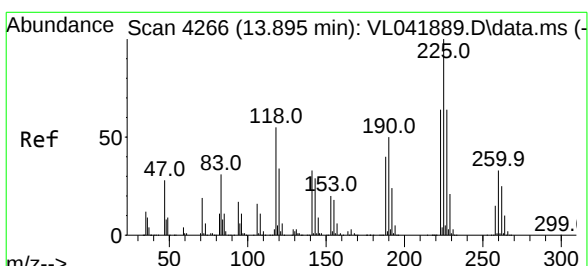
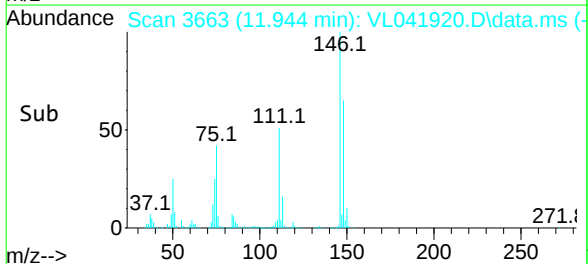
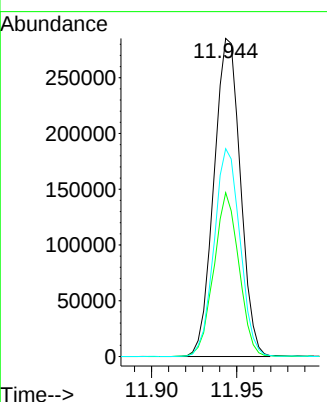
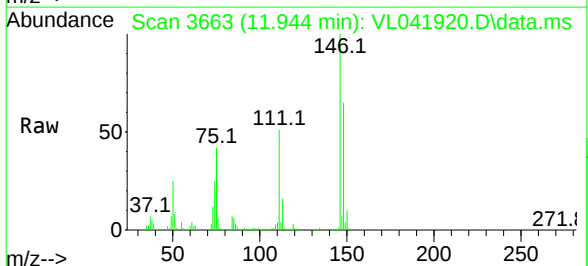
#77
 1,2-Dichlorobenzene
 Concen: 10.563 ppbv
 RT: 11.944 min Scan# 3663
 Delta R.T. -0.016 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49

Instrument : MSVOA_L
 ClientSampleId : VL0120ABS01

Tgt Ion:	146	Resp:	308471
Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.2	72.6
148	64.1	31.7	95.1

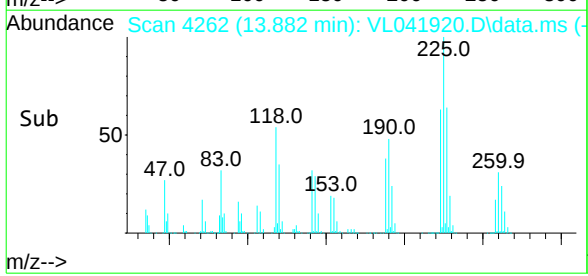
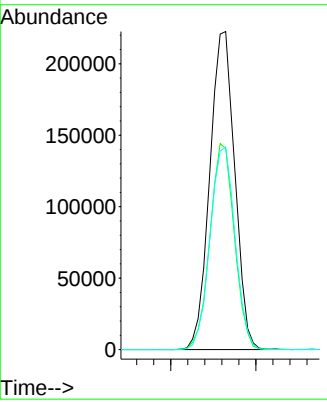
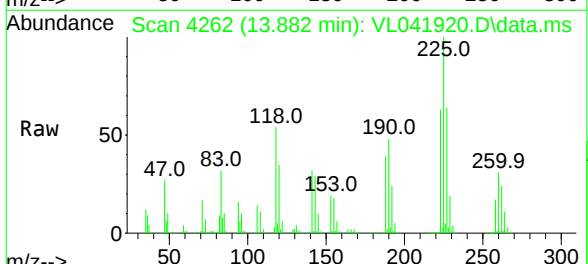
Manual Integrations
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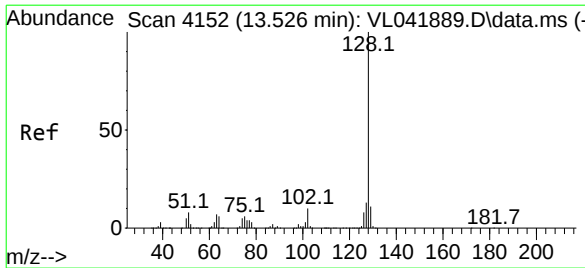
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.471 ppbv
 RT: 13.882 min Scan# 4262
 Delta R.T. -0.013 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49

Tgt Ion:	225	Resp:	227006
Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.8	76.2
227	63.6	50.3	75.5





#79

Naphthalene

Concen: 9.890 ppbv

RT: 13.513 min Scan# 4152

Delta R.T. -0.013 min

Lab File: VL041920.D

Acq: 20 Jan 2025 14:49

Instrument :

MSVOA_L

ClientSampleId :

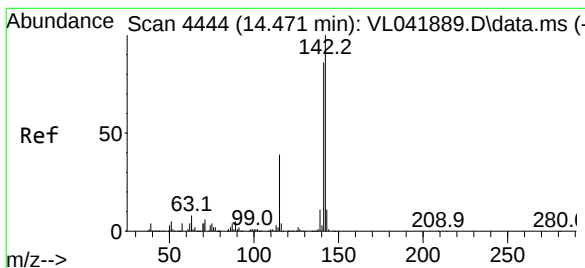
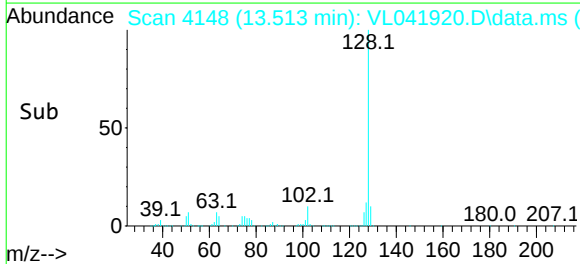
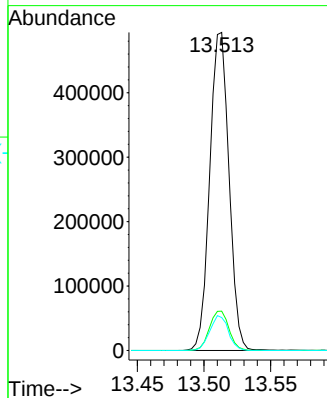
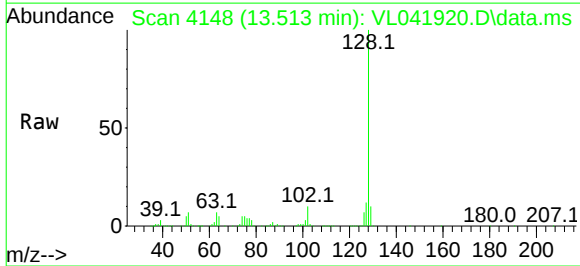
VL0120ABS01

Tgt Ion:	128	Resp:	495170
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.2	15.4
129	10.4	9.1	13.7

Manual Integrations

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Supervised By :Mahesh Dadoda 01/21/2025



#80

Naphthalene,2-methyl-

Concen: 7.293 ppbv

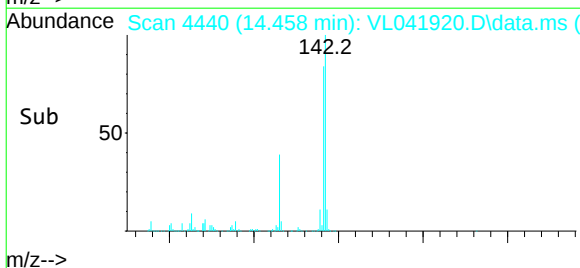
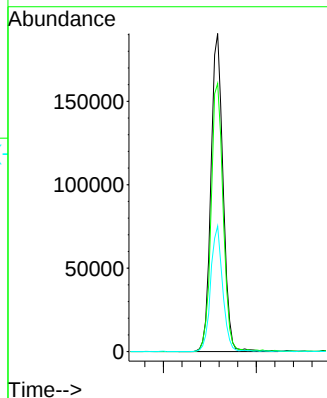
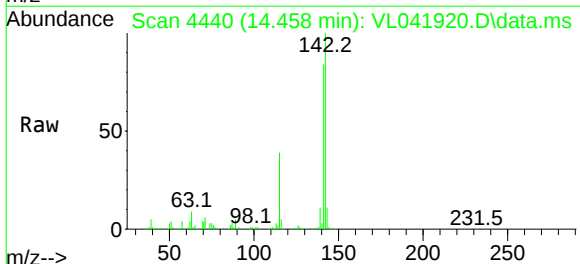
RT: 14.458 min Scan# 4440

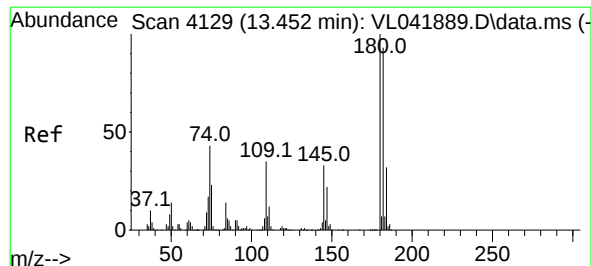
Delta R.T. -0.013 min

Lab File: VL041920.D

Acq: 20 Jan 2025 14:49

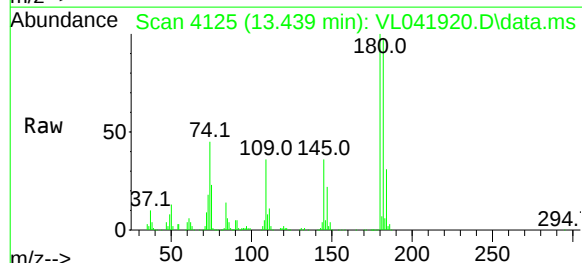
Tgt Ion:	142	Resp:	173122
Ion Ratio	Lower	Upper	
142	100		
141	84.4	68.1	102.1
115	39.3	31.7	47.5





#81
 1,2,4-Trichlorobenzene
 Concen: 9.308 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.013 min
 Lab File: VL041920.D
 Acq: 20 Jan 2025 14:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01



Tgt Ion:180 Resp: 227472
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.0 115.6
 184 29.9 24.9 37.3

Manual Integrations
 APPROVED

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

