

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042181.D
 Acq On : 27 Mar 2025 14:39
 Operator : SY/MD
 Sample : VL0327ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0327ABS01

Quant Time: Mar 28 02:12:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

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

Internal Standards						
1) Bromochloromethane	2.787	49	166105	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	483209	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	452250	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	368941	9.934	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	243063	9.911	ppbv	100
3) Chlorodifluoromethane	1.476	51	241481	9.638	ppbv	99
4) Chloromethane	1.531	50	96241	9.602	ppbv	99
5) Vinyl Chloride	1.580	62	91865	8.649	ppbv	94
6) Bromomethane	1.667	94	40361	8.886	ppbv	92
7) Chloroethane	1.703	64	37307	9.273	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	208981	10.006	ppbv	94
9) Propene	1.482	41	102862	8.957	ppbv	99
10) Heptane	4.978	43	290621	9.514	ppbv	100
11) Trichlorofluoromethane	1.877	101	232086	9.725	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.140	101	178792	9.115	ppbv	99
13) Ethanol	1.719	45	5124	4.720	ppbv	93
14) Bromoethene	1.780	108	69775	9.286	ppbv	98
15) Acetone	1.835	43	195717	8.425	ppbv	96
16) 1,3-Butadiene	1.609	39	98877	8.716	ppbv	100
17) tert-Butyl alcohol	2.039	59	266424	9.208	ppbv	98
18) 1,1-Dichloroethene	2.033	96	83339	9.088	ppbv	95
19) Isopropyl Alcohol	1.884	45	120986	9.230	ppbv	97
20) Methylene Chloride	2.062	84	69930	8.083	ppbv	96
21) Allyl Chloride	2.094	41	147810	9.022	ppbv	99
22) trans-1,2-Dichloroethene	2.340	96	96616	9.116	ppbv	99
23) Vinyl Acetate	2.463	43	94696	9.418	ppbv	96
24) 1,1-Dichloroethane	2.408	63	189793	9.661	ppbv	99
25) Ethyl Acetate	2.835	43	574442	9.528	ppbv	99
26) Hexane	2.826	57	224704	9.649	ppbv	98
27) Carbon Disulfide	2.149	76	230410	9.226	ppbv #	94
28) Methyl tert-Butyl Ether	2.441	73	149961	10.342	ppbv	95
29) Chloroform	2.848	83	336404	9.870	ppbv	96
30) Cyclohexane	3.855	84	194220	9.604	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	231151	9.777	ppbv	97
32) 1,1,1-Trichloroethane	3.366	97	359860	9.223	ppbv	99
34) 2-Butanone	2.557	43	320843	9.157	ppbv	100
35) Carbon Tetrachloride	3.761	117	361037	9.565	ppbv	99
36) Benzene	3.658	78	452718	9.450	ppbv	98
37) 1,2-Dichloroethane	3.217	62	277247	10.109	ppbv	98
38) Trichloroethene	4.548	130	187209	9.366	ppbv	98
39) 1,2-Dichloropropane	4.315	63	164374	9.422	ppbv	95
40) 1,4-Dioxane	4.583	88	82012	8.857	ppbv #	92
41) Tetrahydrofuran	3.052	42	188907	9.362	ppbv	99
42) Bromodichloromethane	4.489	83	377092	9.974	ppbv	98
43) Methyl Methacrylate	4.881	69	190156	9.377	ppbv	100
44) 2,2,4-Trimethylpentane	4.638	57	769803	9.509	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	204004	9.376	ppbv	98

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Quant Time: Mar 28 02:12:34 2025

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

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

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

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.599	75	251694	9.437	ppbv	97
47) 1,1,2-Trichloroethane	6.583	97	175509	9.517	ppbv	99
48) Dibromochloromethane	7.386	129	310158	9.923	ppbv	99
49) Bromoform	9.483	173	279382	9.957	ppbv	99
50) 4-Methyl-2-Pentanone	5.748	43	481919	8.679	ppbv	98
51) 2-Hexanone	7.435	43	395520	8.674	ppbv	99
52) Tetrachloroethene	8.224	164	167015	8.791	ppbv	95
53) Toluene	6.930	91	540612	9.520	ppbv	99
54) 1,2-Dibromoethane	7.655	107	246519	9.589	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.924	131	240905	9.677	ppbv	96
57) Chlorobenzene	8.920	112	407816	9.507	ppbv	98
58) Ethyl Benzene	9.354	91	769818	9.583	ppbv	97
59) m/p-Xylene	9.551	91	1220553m	19.028	ppbv	
60) o-Xylene	9.962	91	612011	9.518	ppbv	98
61) Styrene	9.869	104	306658	9.639	ppbv	99
62) Isopropylbenzene	10.539	105	923163	9.600	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.962	83	370486	9.483	ppbv	99
64) n-propylbenzene	10.989	120	239652	9.682	ppbv	98
65) tert-Butylbenzene	11.532	119	828438	9.315	ppbv	98
66) Benzyl Chloride	11.616	91	81404	8.627	ppbv	98
67) sec-Butylbenzene	11.769	105	1155378	9.347	ppbv	99
69) p-Isopropyltoluene	11.927	119	1011573	9.503	ppbv	99
70) n-Butylbenzene	12.283	91	1022935	9.397	ppbv	99
71) 2-Chlorotoluene	10.901	91	713648	9.562	ppbv	98
72) 4-Ethyltoluene	11.128	105	766720	9.576	ppbv	100
73) 1,3,5-Trimethylbenzene	11.205	105	660905	9.451	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	718683	8.921	ppbv	97
75) 1,3-Dichlorobenzene	11.610	146	415378	9.401	ppbv	100
76) 1,4-Dichlorobenzene	11.671	146	418670	9.521	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	401634	9.336	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	346566	7.914	ppbv	100
79) Naphthalene	13.513	128	762976	8.659	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	308264	7.134	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	356193	8.764	ppbv	99

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

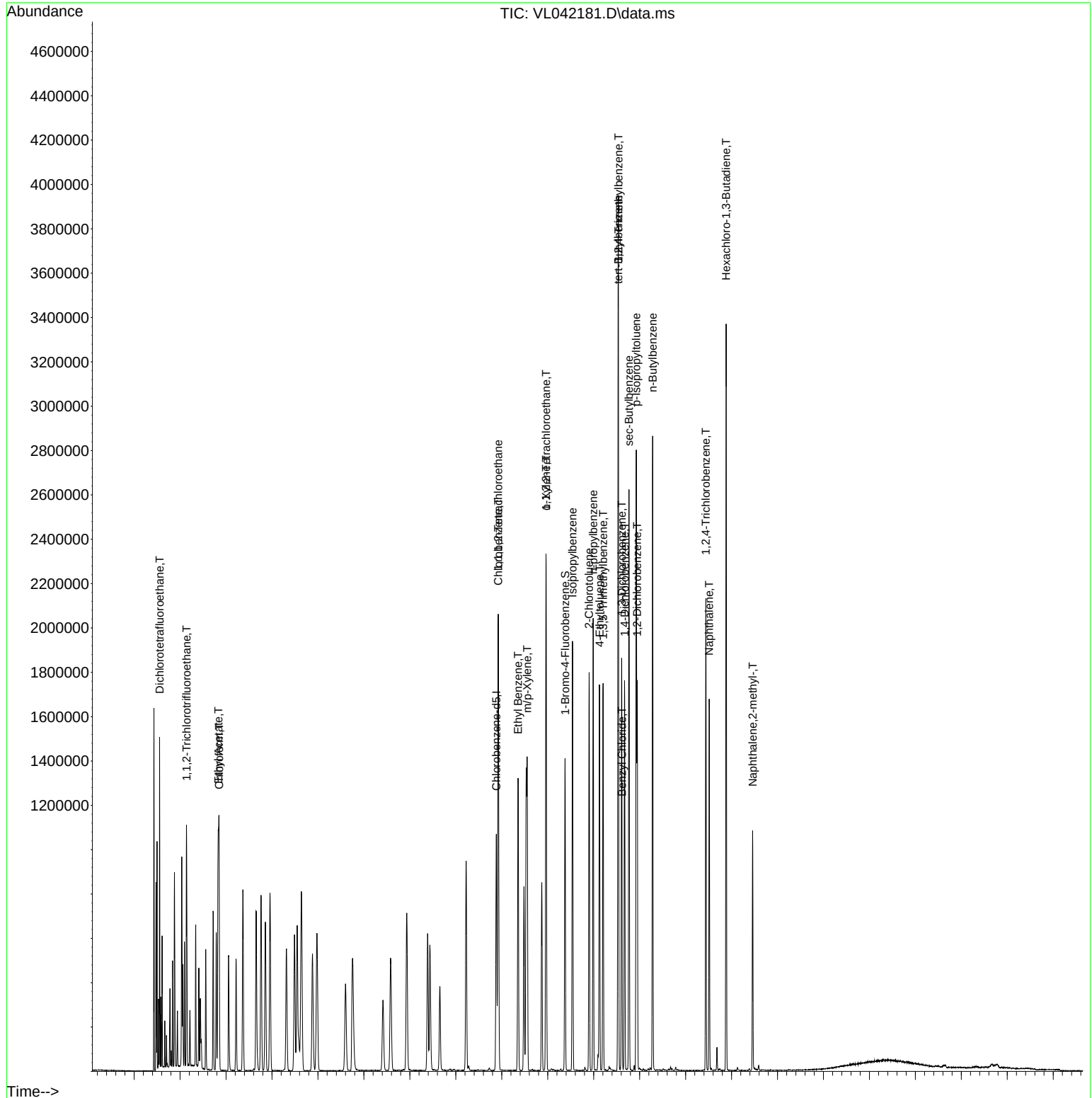
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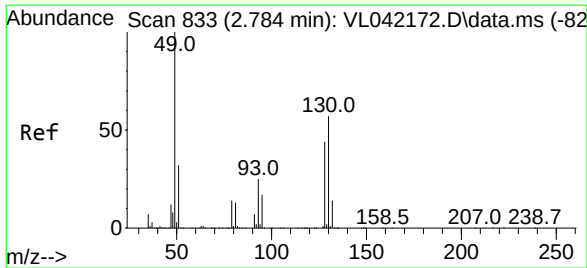
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

Manual Integrations
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Reviewed By : Semsettin Yesilyurt 03/31/2025
Supervised By : Mahesh Dadoda 04/03/2025

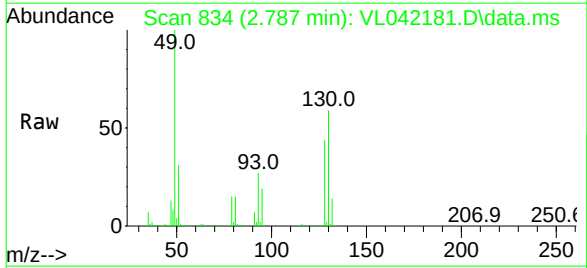
Quant Time: Mar 28 02:12:34 2025
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 833
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

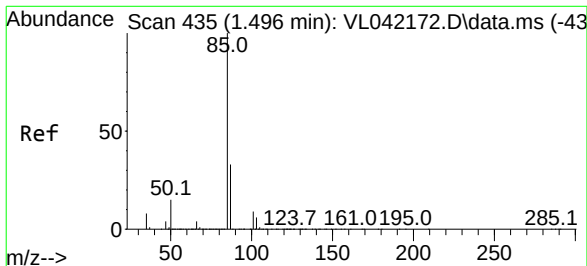
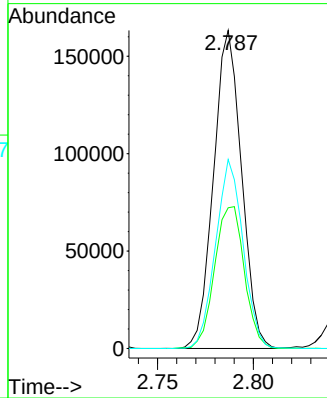
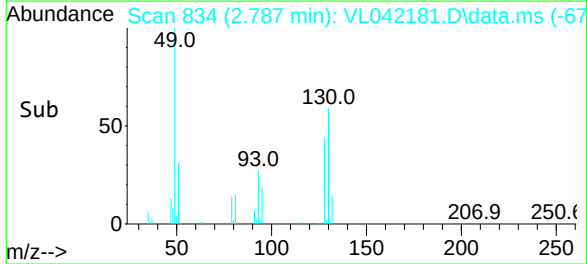
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01



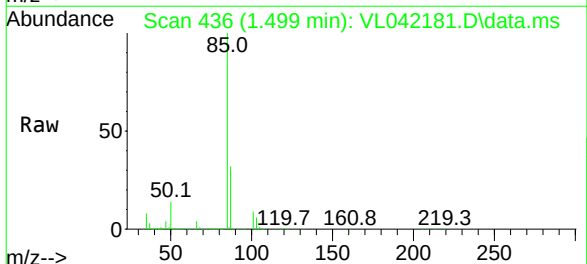
Tgt Ion: 49 Resp: 166105
Ion Ratio Lower Upper
49 100
128 47.4 22.9 68.5
130 58.3 28.8 86.4

Manual Integrations
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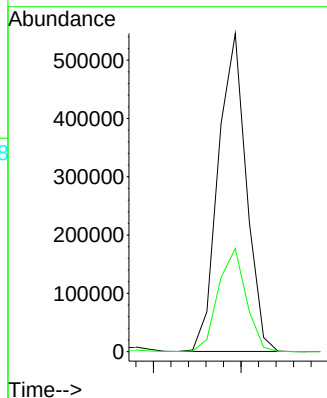
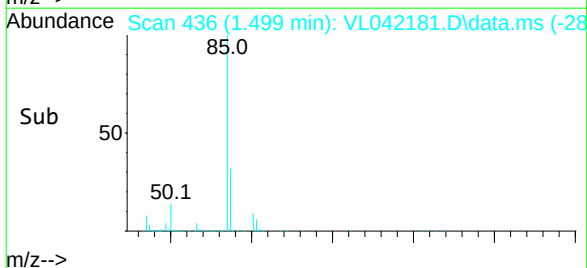
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

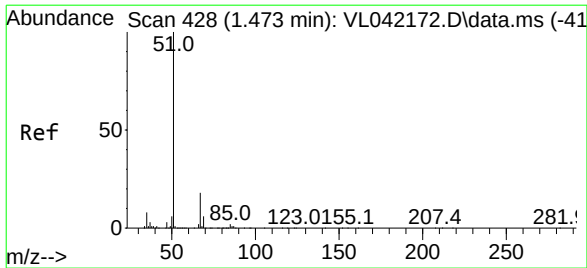


#2
Dichlorodifluoromethane
Concen: 9.911 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39



Tgt Ion: 85 Resp: 243063
Ion Ratio Lower Upper
85 100
87 32.4 26.1 39.1





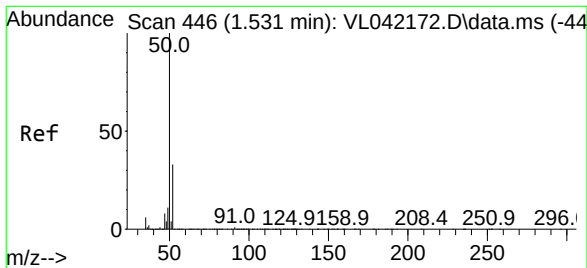
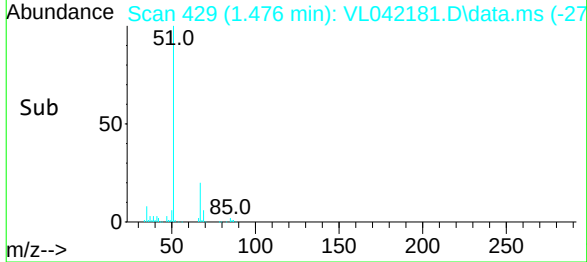
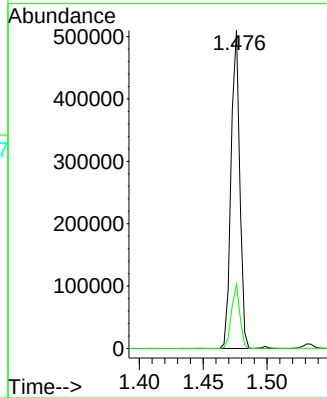
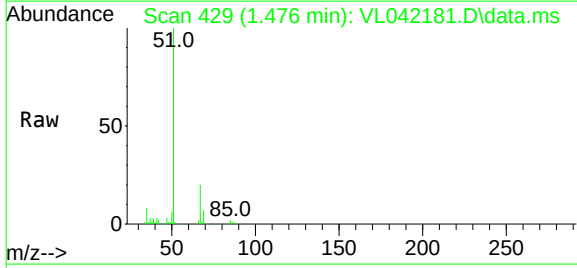
#3
Chlorodifluoromethane
Concen: 9.638 ppbv
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

Tgt Ion: 51 Resp: 241481
Ion Ratio Lower Upper
51 100
67 19.4 15.0 22.6

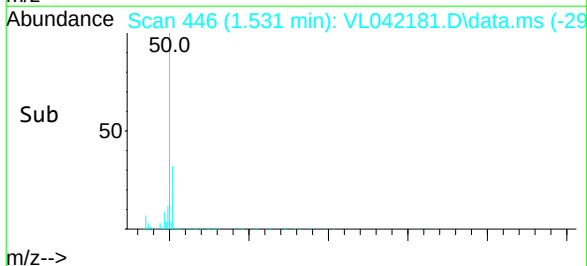
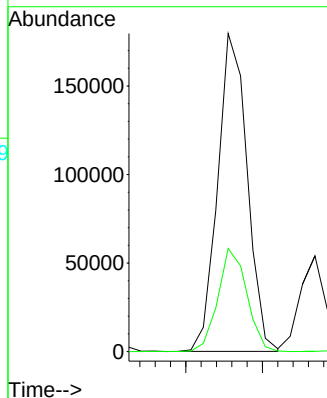
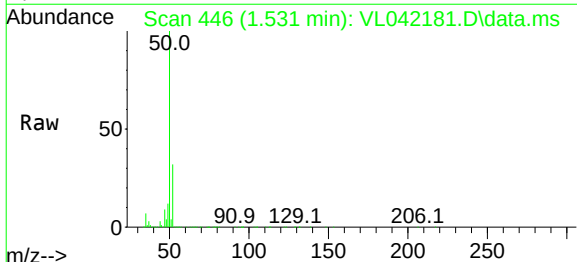
Manual Integrations
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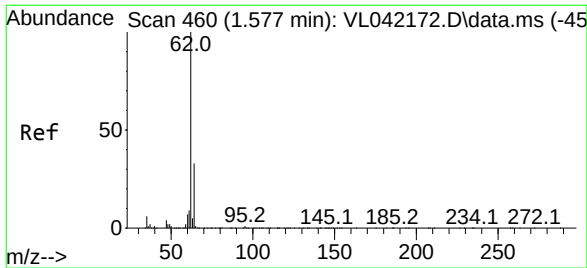
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#4
Chloromethane
Concen: 9.602 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 50 Resp: 96241
Ion Ratio Lower Upper
50 100
52 32.2 26.1 39.1





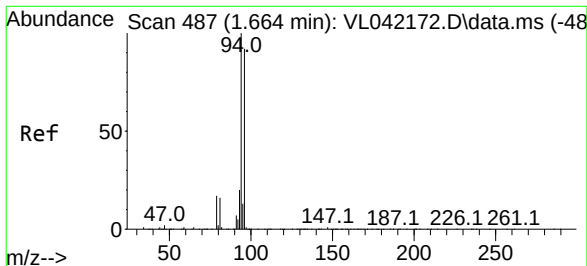
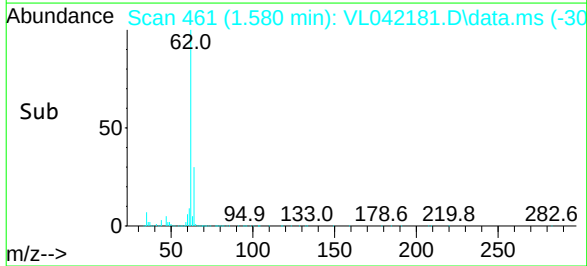
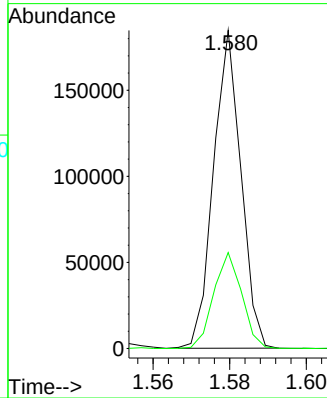
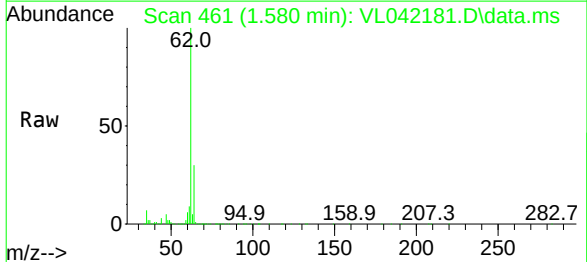
#5
 Vinyl Chloride
 Concen: 8.649 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

Instrument :
 MSVOA_1
 ClientSampleId :
 VL0327ABS01

Tgt Ion: 62 Resp: 91865
 Ion Ratio Lower Upper
 62 100
 64 30.2 26.6 40.0

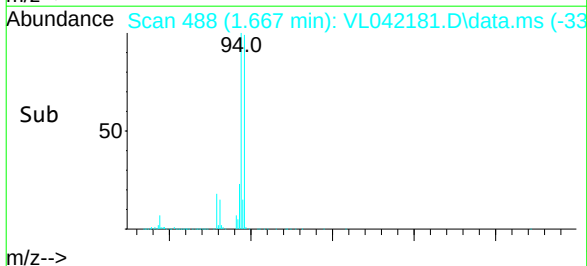
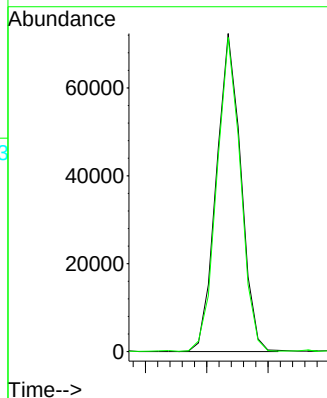
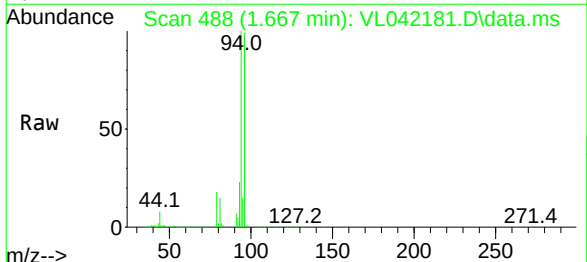
Manual Integrations
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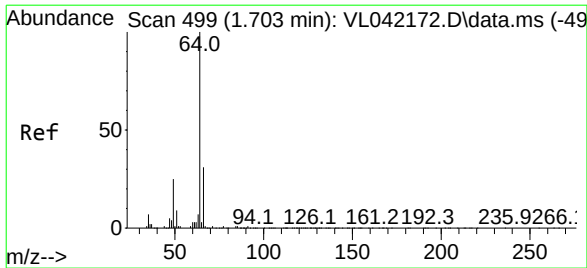
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#6
 Bromomethane
 Concen: 8.886 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

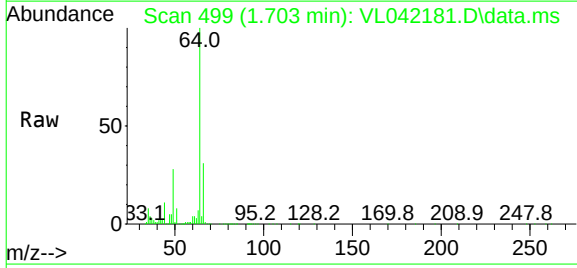
Tgt Ion: 94 Resp: 40361
 Ion Ratio Lower Upper
 94 100
 96 98.7 73.1 109.7





#7
Chloroethane
Concen: 9.273 ppbv
RT: 1.703 min Scan# 49
Delta R.T. -0.000 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

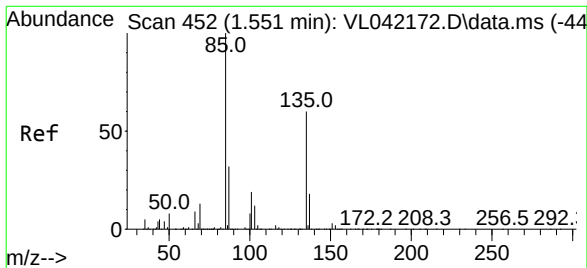
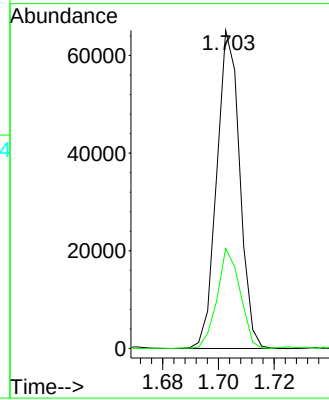
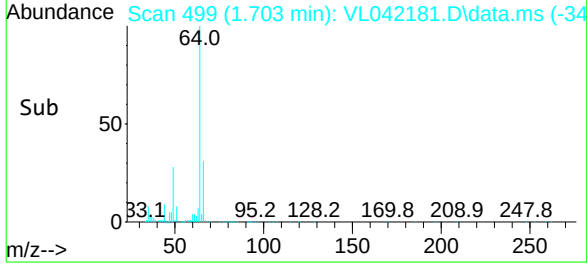
Instrument :
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ClientSampleId :
VL0327ABS01



Tgt Ion: 64 Resp: 37307
Ion Ratio Lower Upper
64 100
66 31.5 25.2 37.8

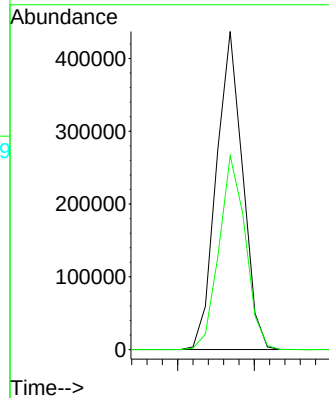
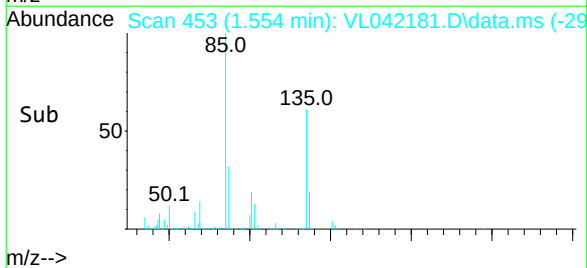
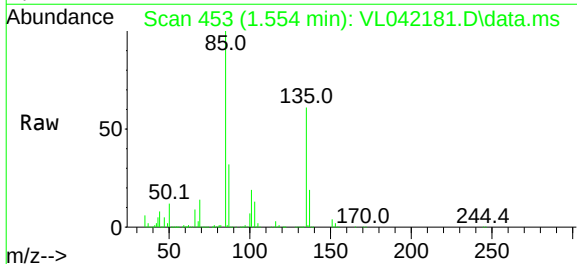
Manual Integrations
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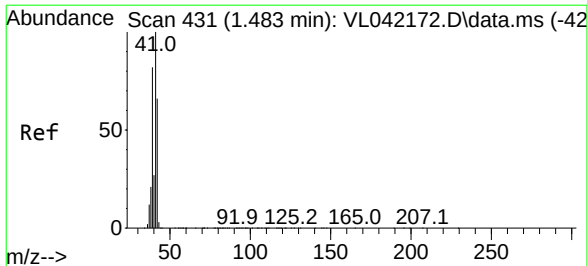
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#8
Dichlorotetrafluoroethane
Concen: 10.006 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 85 Resp: 208981
Ion Ratio Lower Upper
85 100
135 61.1 52.4 78.6





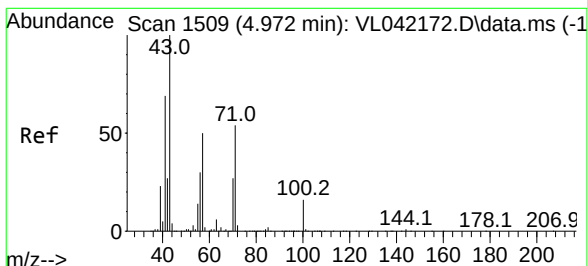
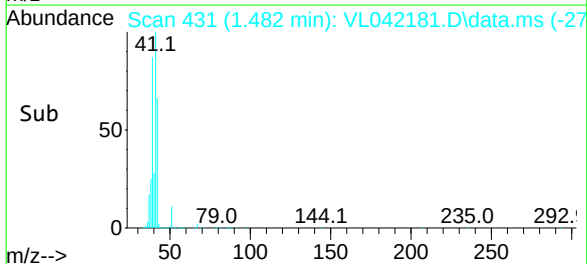
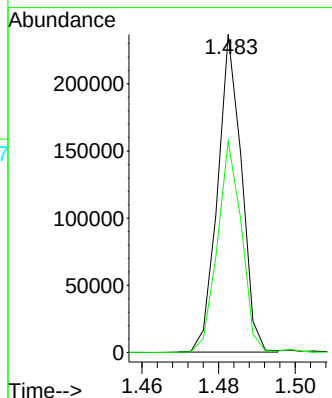
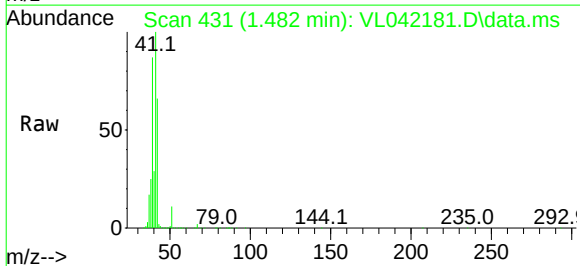
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 Propene
 Concen: 8.957 ppbv
 RT: 1.482 min Scan# 431
 Delta R.T. -0.000 min
 Lab File: VL042181.D
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Instrument : MSVOA_L
 ClientSampleId : VL0327ABS01

Tgt Ion: 41 Resp: 102862
 Ion Ratio Lower Upper
 41 100
 42 68.5 55.4 83.2

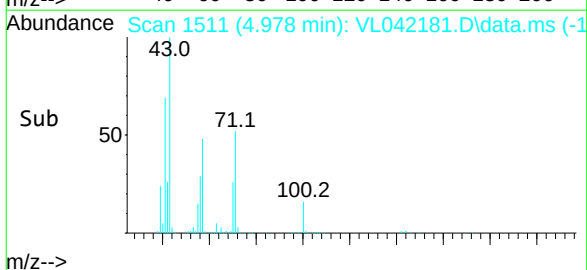
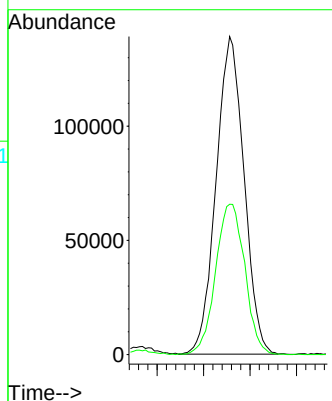
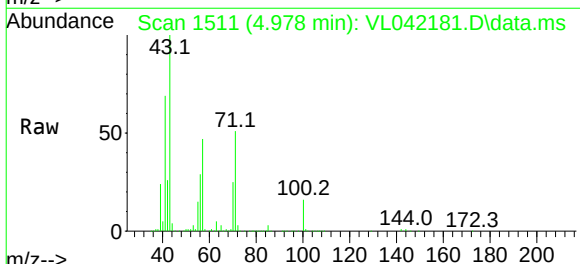
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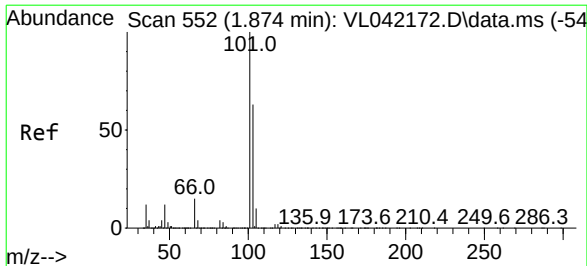
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#10
 Heptane
 Concen: 9.514 ppbv
 RT: 4.978 min Scan# 1511
 Delta R.T. 0.006 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

Tgt Ion: 43 Resp: 290621
 Ion Ratio Lower Upper
 43 100
 57 49.6 39.4 59.2





#11

Trichlorofluoromethane

Concen: 9.725 ppbv

RT: 1.877 min Scan# 55

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0327ABS01

Tgt Ion:101 Resp: 232086

Ion Ratio Lower Upper

101 100

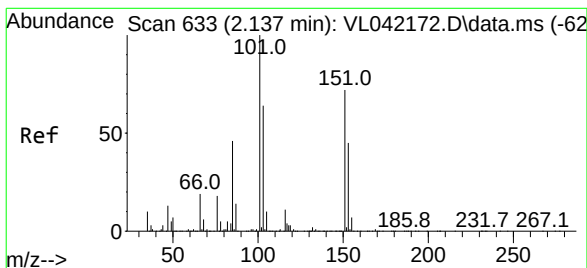
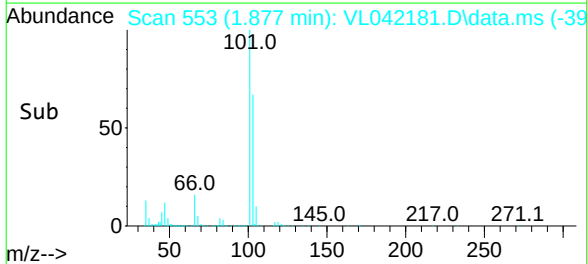
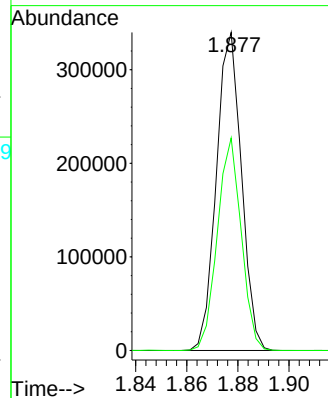
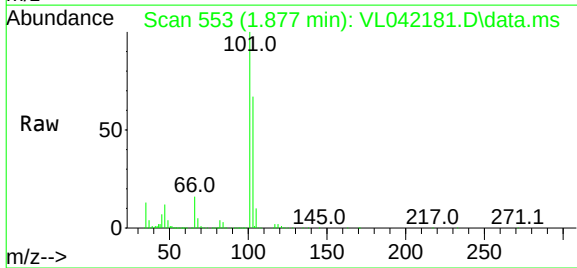
103 66.8 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.115 ppbv

RT: 2.140 min Scan# 634

Delta R.T. 0.003 min

Lab File: VL042181.D

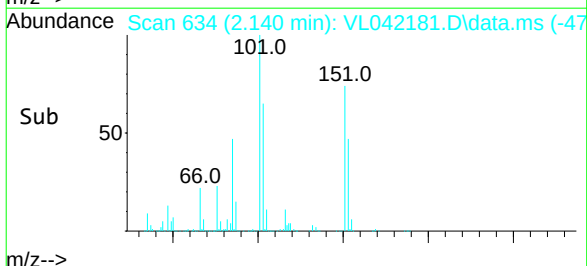
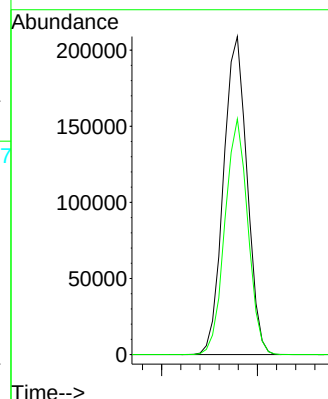
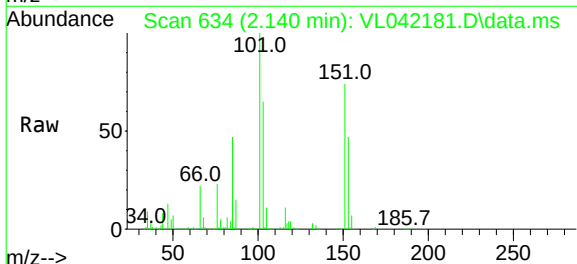
Acq: 27 Mar 2025 14:39

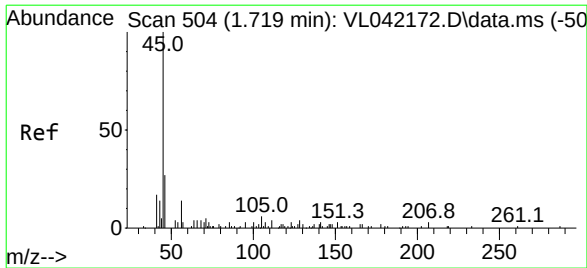
Tgt Ion:101 Resp: 178792

Ion Ratio Lower Upper

101 100

151 71.9 57.1 85.7





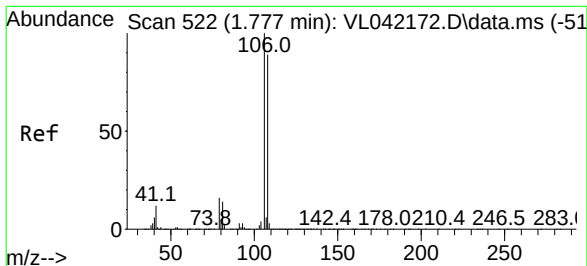
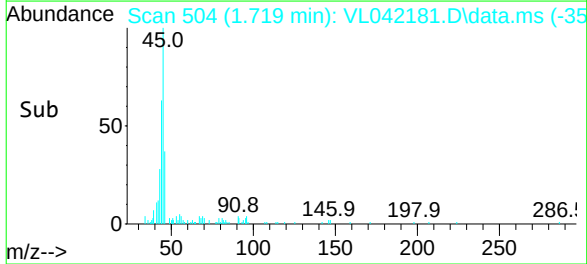
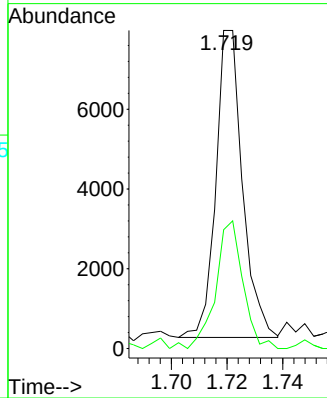
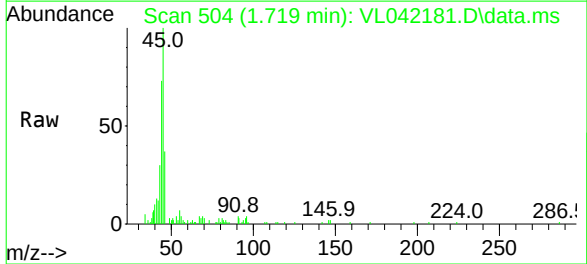
#13
Ethanol
Concen: 4.720 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

Tgt Ion: 45 Resp: 5124
Ion Ratio Lower Upper
45 100
46 45.5 20.2 80.8

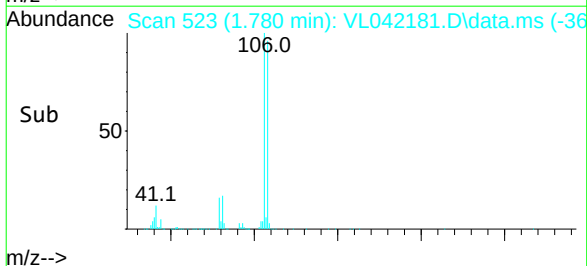
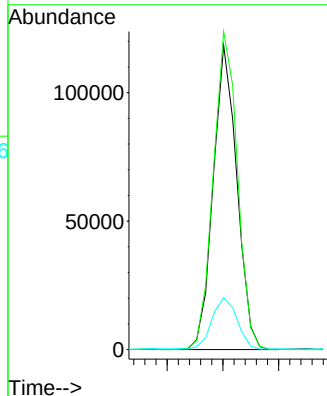
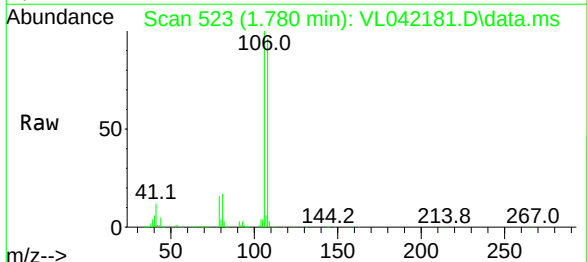
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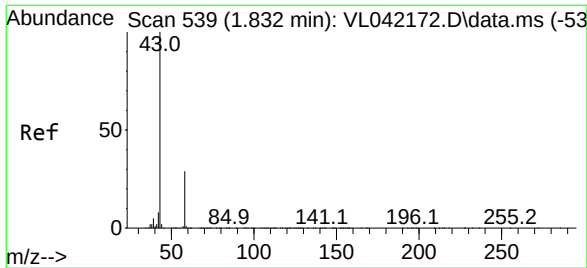
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#14
Bromoethene
Concen: 9.286 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion:108 Resp: 69775
Ion Ratio Lower Upper
108 100
106 106.9 86.8 130.2
79 18.1 15.0 22.6





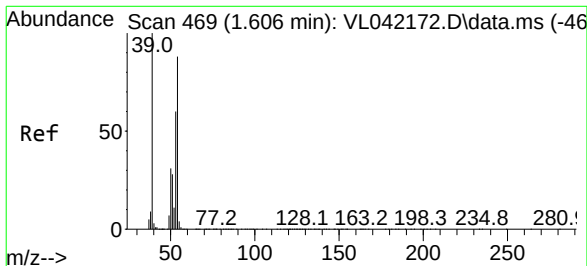
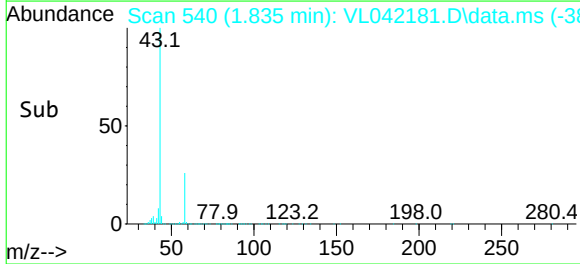
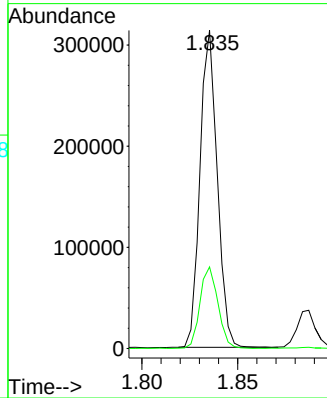
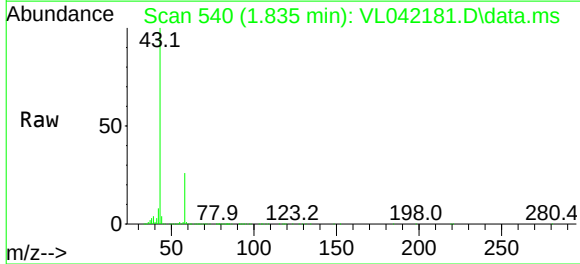
#15
Acetone
Concen: 8.425 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

Tgt Ion: 43 Resp: 195717
Ion Ratio Lower Upper
43 100
58 27.1 23.2 34.8

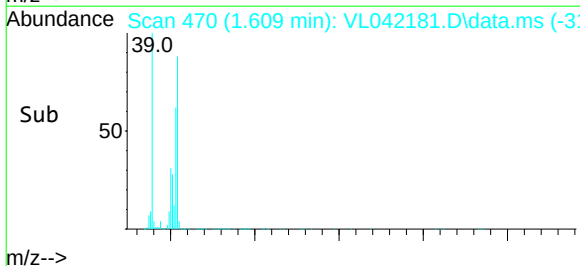
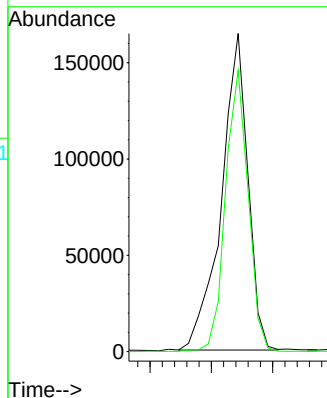
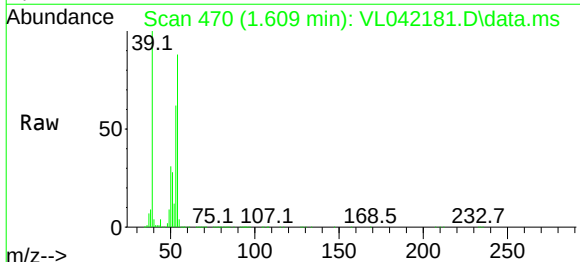
Manual Integrations
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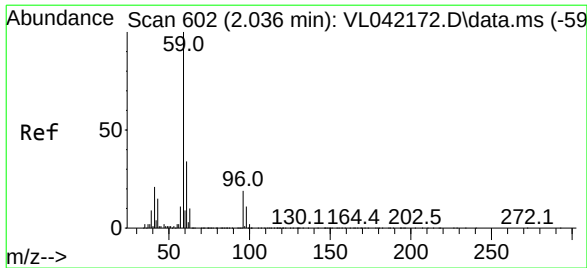
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#16
1,3-Butadiene
Concen: 8.716 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 39 Resp: 98877
Ion Ratio Lower Upper
39 100
54 76.1 60.7 91.1





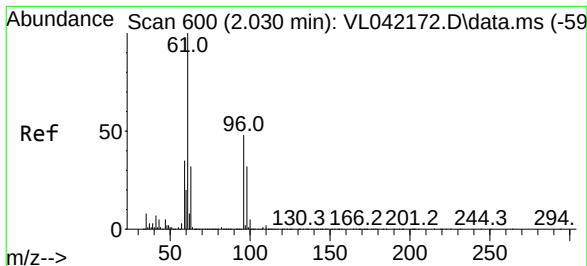
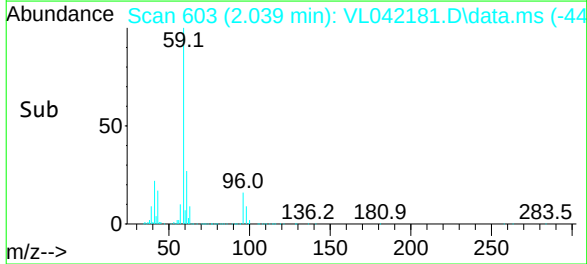
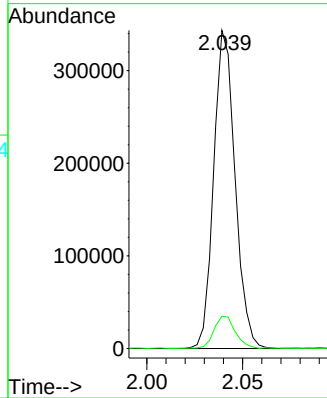
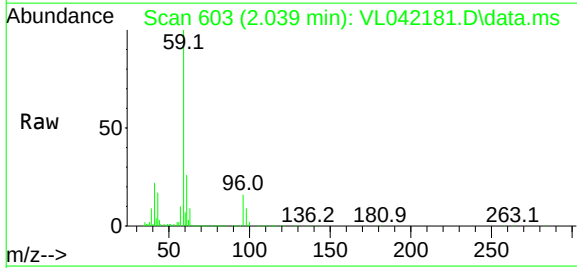
#17
tert-Butyl alcohol
Concen: 9.208 ppbv
RT: 2.039 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

Tgt Ion: 59 Resp: 266424
Ion Ratio Lower Upper
59 100
57 10.3 8.9 13.3

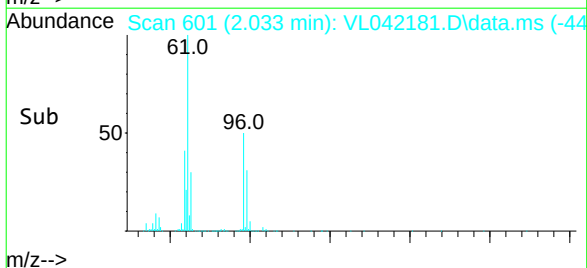
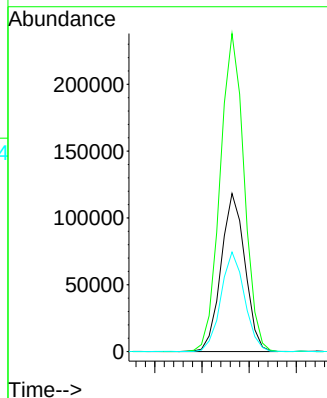
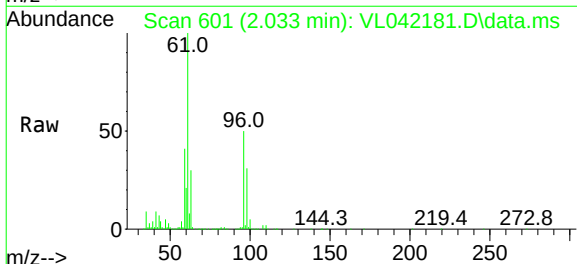
Manual Integrations
APPROVED

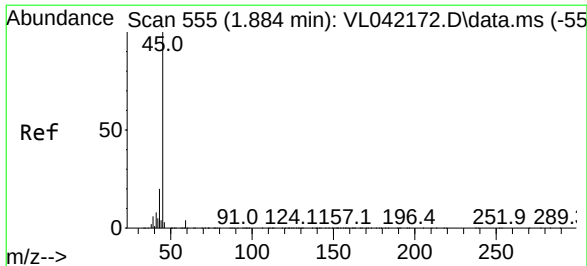
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#18
1,1-Dichloroethene
Concen: 9.088 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 96 Resp: 83339
Ion Ratio Lower Upper
96 100
61 201.2 167.6 251.4
98 62.9 53.5 80.3





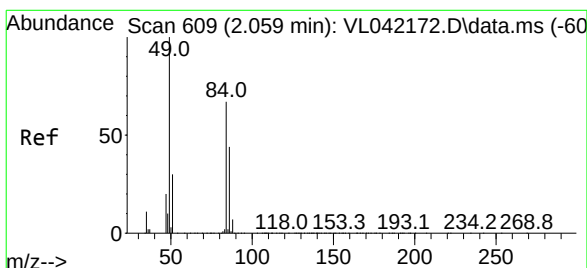
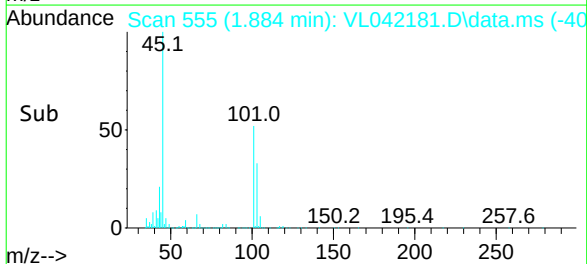
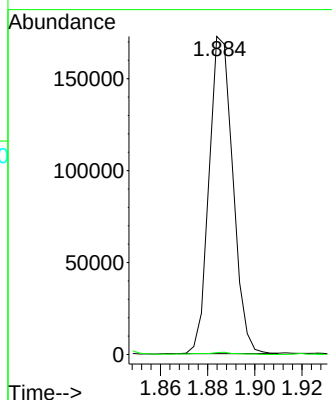
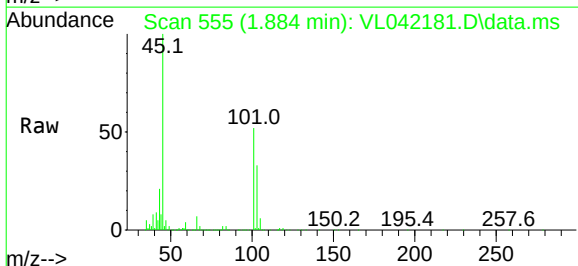
#19
Isopropyl Alcohol
Concen: 9.230 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

Tgt Ion: 45 Resp: 120986
Ion Ratio Lower Upper
45 100
58 43.8 36.9 55.3

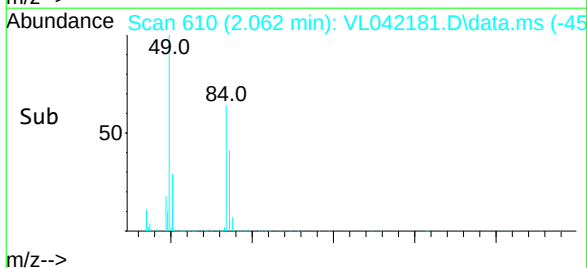
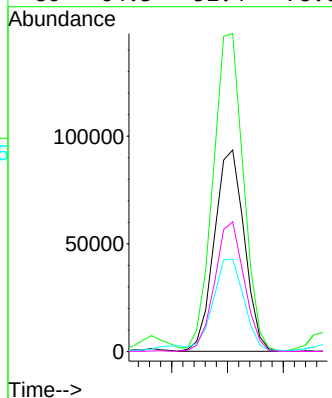
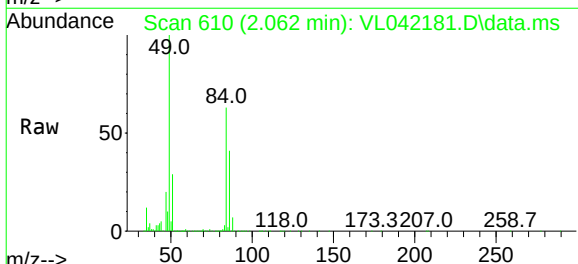
Manual Integrations
APPROVED

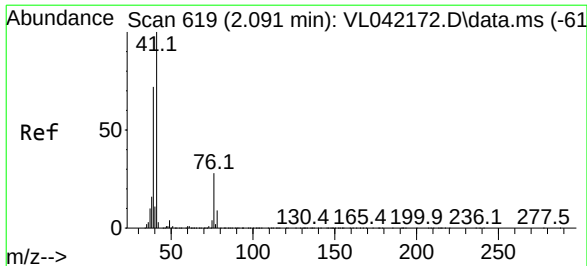
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#20
Methylene Chloride
Concen: 8.083 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 84 Resp: 69930
Ion Ratio Lower Upper
84 100
49 157.4 120.2 180.4
51 45.2 37.4 56.0
86 64.3 52.4 78.6





#21

Allyl Chloride

Concen: 9.022 ppbv

RT: 2.094 min Scan# 621

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

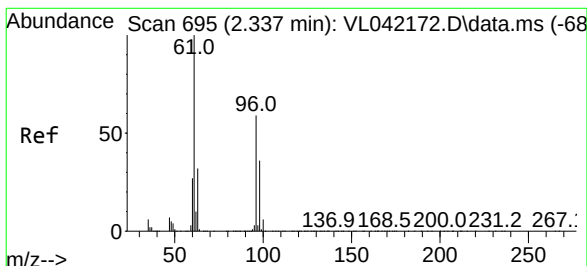
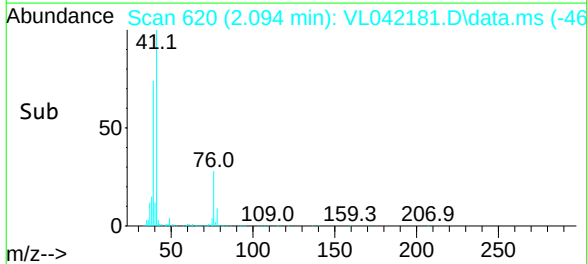
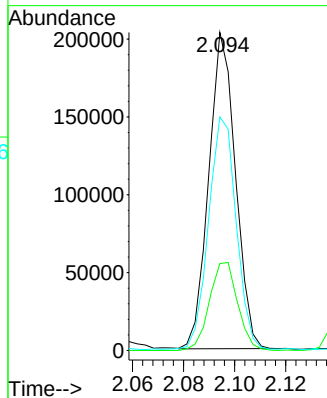
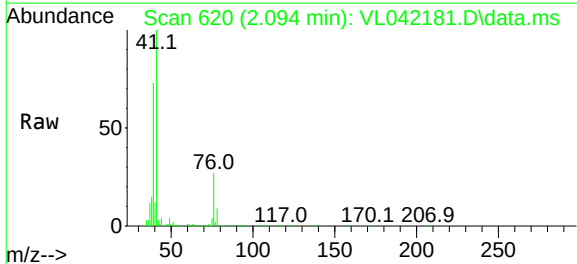
VL0327ABS01

Tgt Ion: 41	Resp: 147816
Ion Ratio	Lower Upper
41 100	
76 29.4	24.1 36.1
39 76.2	61.1 91.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#22

trans-1,2-Dichloroethene

Concen: 9.116 ppbv

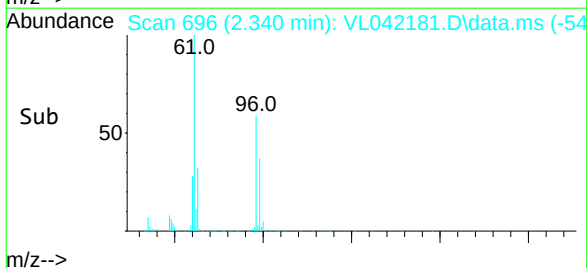
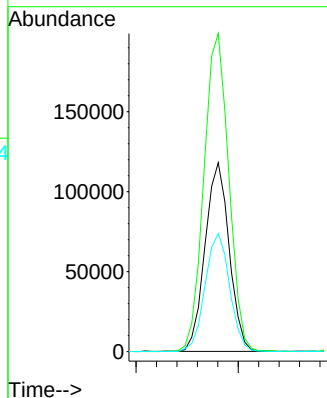
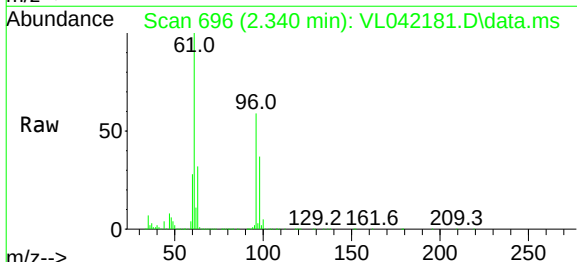
RT: 2.340 min Scan# 696

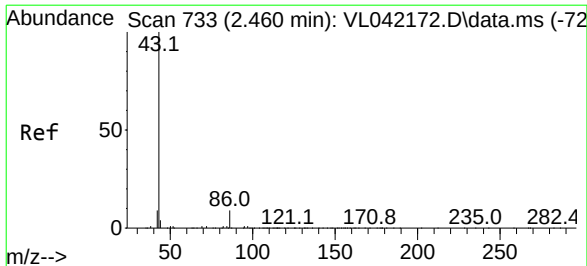
Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Tgt Ion: 96	Resp: 96616
Ion Ratio	Lower Upper
96 100	
61 168.4	136.6 204.8
98 62.5	49.4 74.2





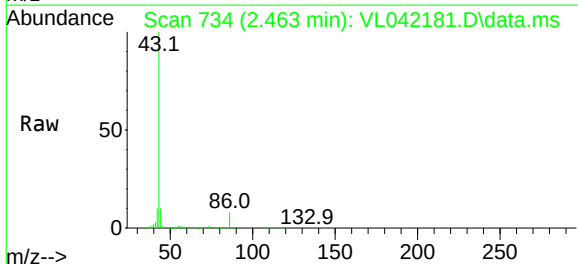
#23
 Vinyl Acetate
 Concen: 9.418 ppbv
 RT: 2.463 min Scan# 733
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

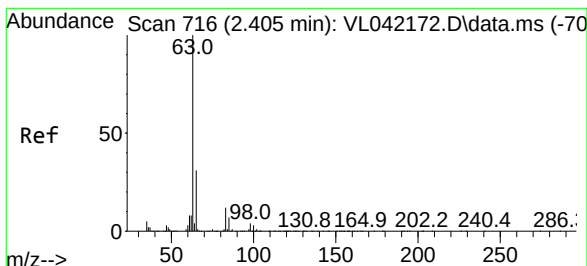
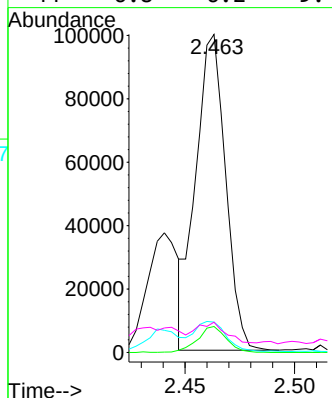
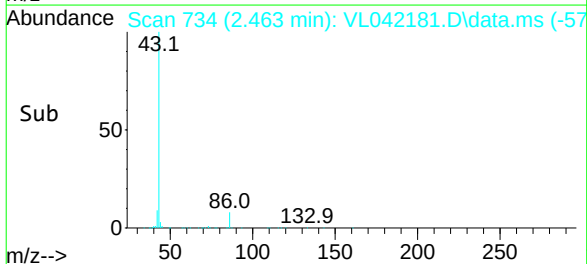
VL0327ABS01



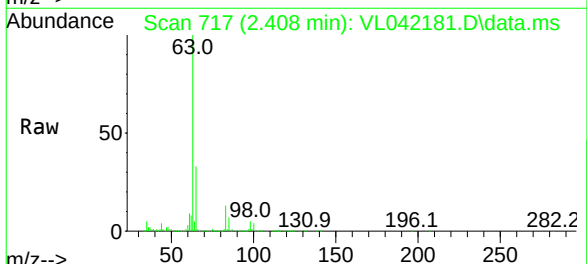
Tgt Ion:	43	Resp:	94696
Ion	Ratio	Lower	Upper
43	100		
86	8.2	5.5	8.3
42	9.2	8.6	13.0
44	6.8	6.2	9.4

Manual Integrations
 APPROVED

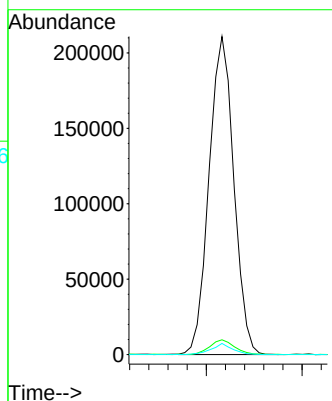
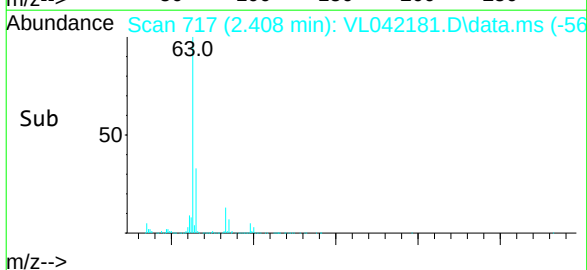
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

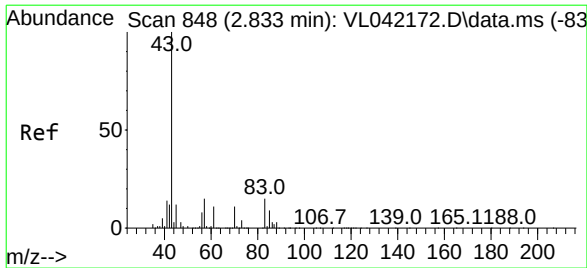


#24
 1,1-Dichloroethane
 Concen: 9.661 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39



Tgt Ion:	63	Resp:	189793
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	3.5	1.6	4.7





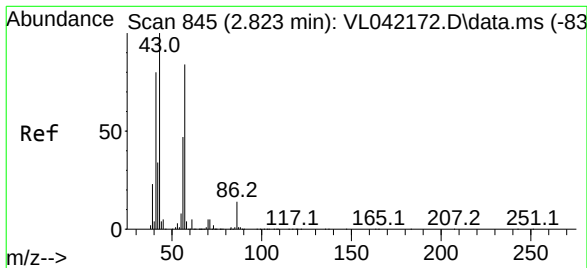
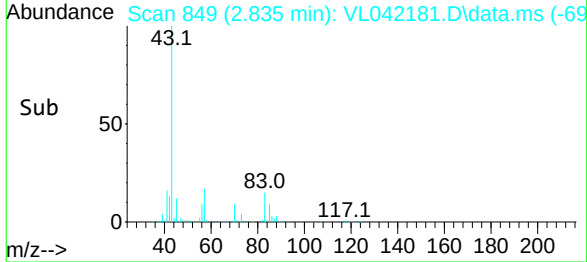
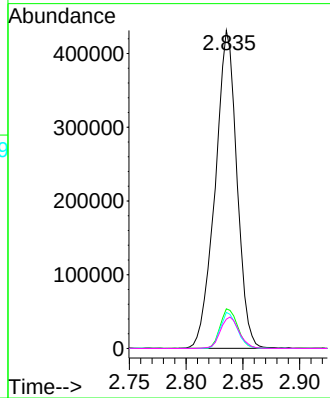
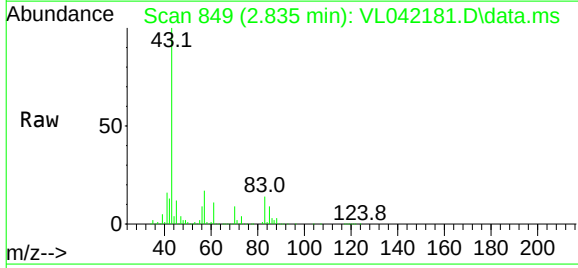
#25
Ethyl Acetate
Concen: 9.528 ppbv
RT: 2.835 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

Tgt Ion: 43	Resp: 574442
Ion Ratio	Lower Upper
43 100	
45 10.1	8.2 12.2
61 9.0	7.3 10.9
70 8.6	7.2 10.8

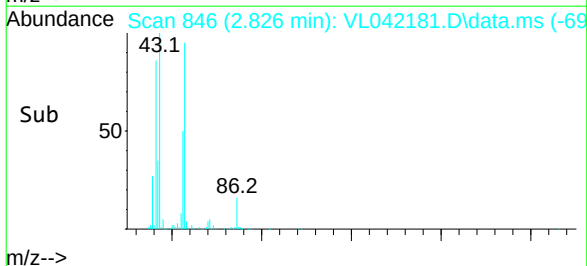
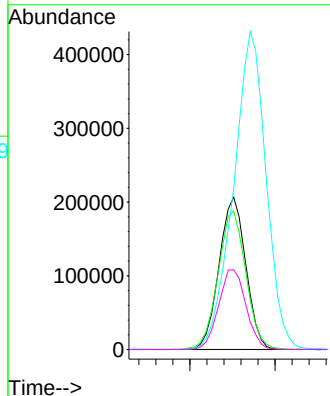
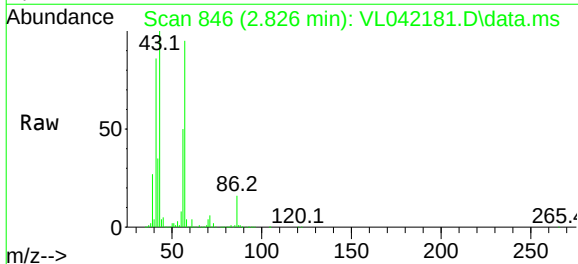
Manual Integrations
APPROVED

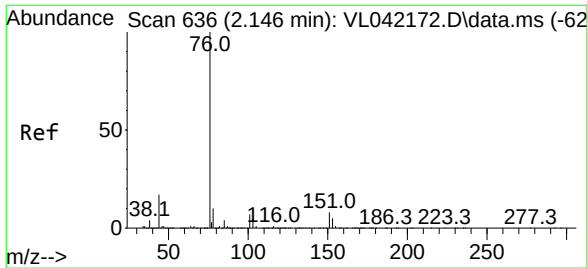
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#26
Hexane
Concen: 9.649 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 57	Resp: 224704
Ion Ratio	Lower Upper
57 100	
41 95.3	76.6 114.8
43 255.9	207.8 311.8
56 54.2	43.6 65.4





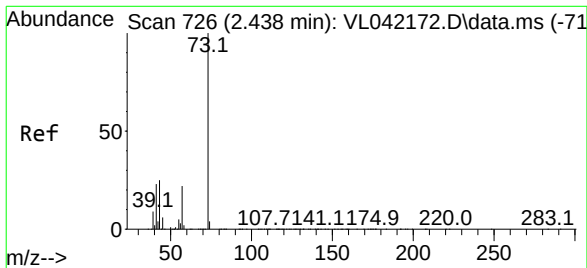
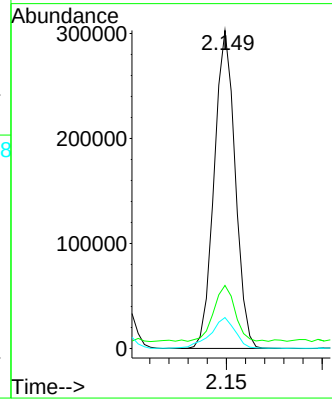
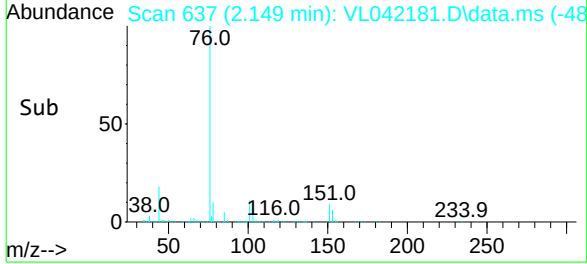
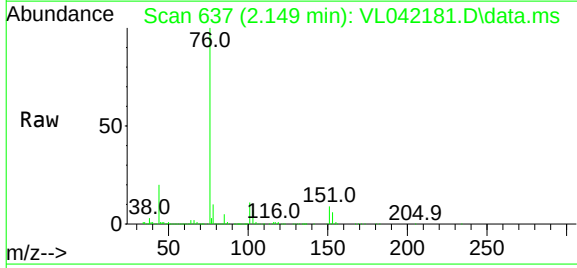
#27
Carbon Disulfide
Concen: 9.226 ppbv
RT: 2.149 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Instrument : MSVOA_L
ClientSampleId : VL0327ABS01

Tgt Ion: 76 Resp: 230410
Ion Ratio Lower Upper
76 100
44 22.5 14.7 22.1#
78 11.5 9.3 13.9

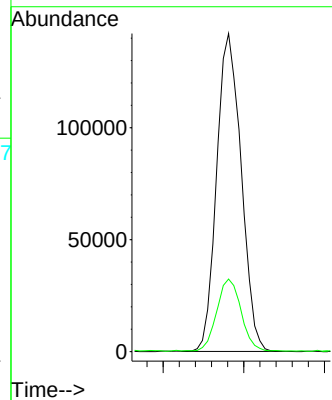
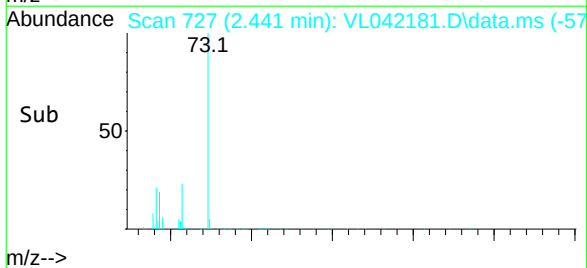
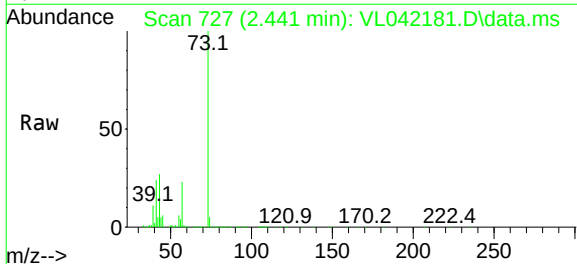
Manual Integrations
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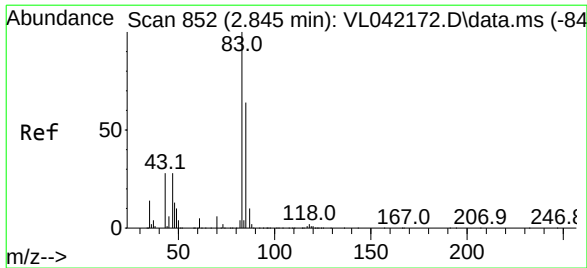
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#28
Methyl tert-Butyl Ether
Concen: 10.342 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 73 Resp: 149961
Ion Ratio Lower Upper
73 100
57 23.0 20.5 30.7





#29

Chloroform

Concen: 9.870 ppbv

RT: 2.848 min Scan# 85

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0327ABS01

Tgt Ion: 83 Resp: 336404

Ion Ratio Lower Upper

83 100

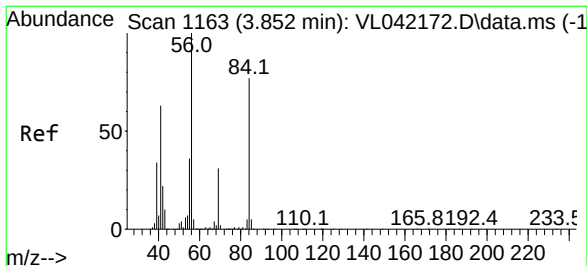
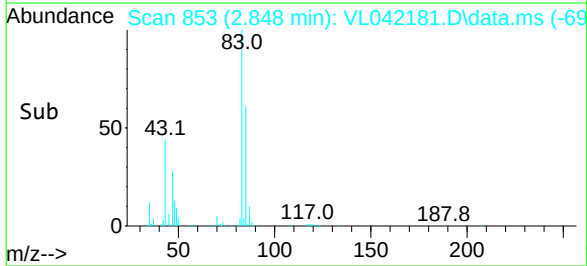
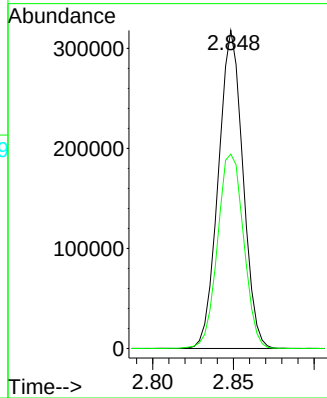
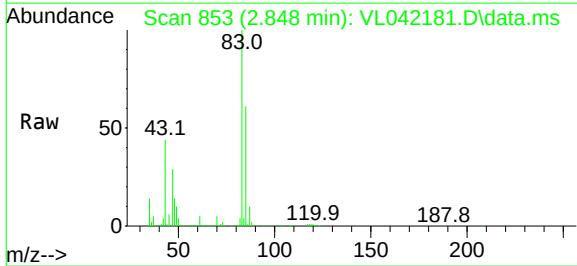
85 61.0 51.4 77.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#30

Cyclohexane

Concen: 9.604 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

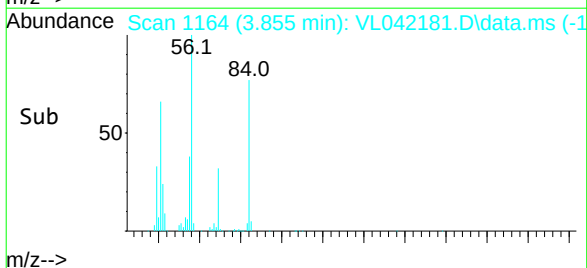
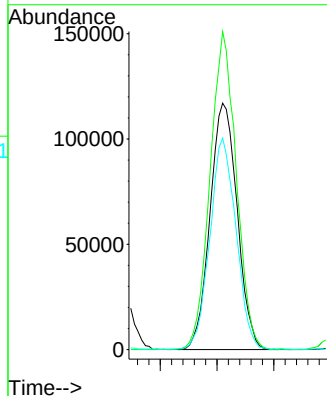
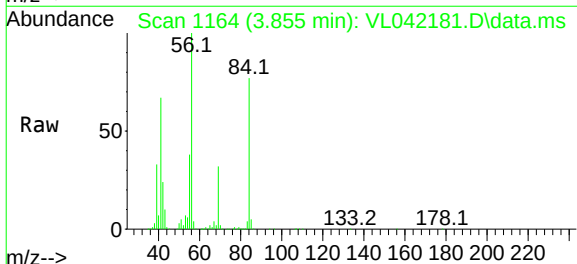
Tgt Ion: 84 Resp: 194220

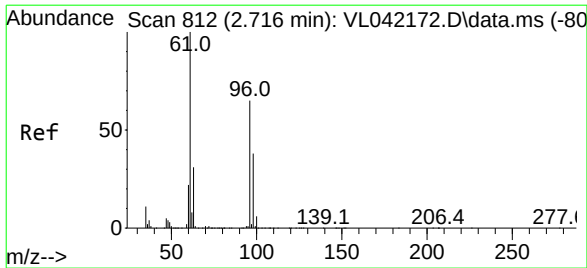
Ion Ratio Lower Upper

84 100

56 124.4 102.8 154.2

41 82.7 66.5 99.7





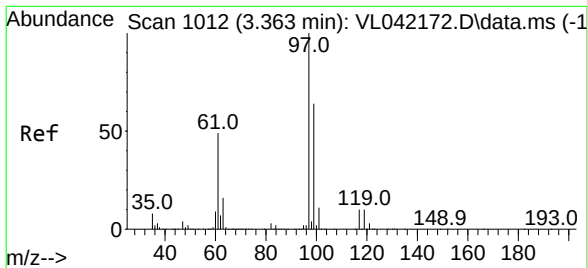
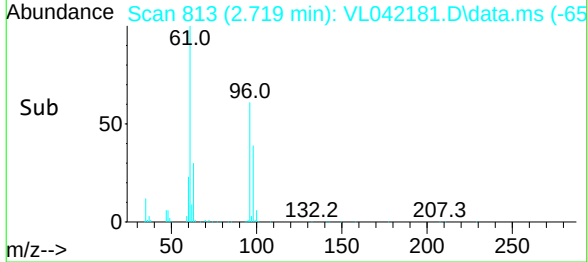
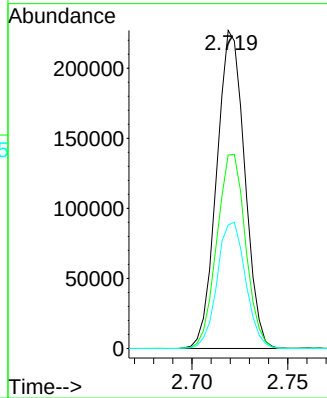
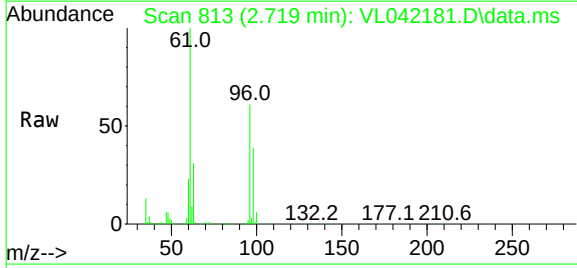
#31
cis-1,2-Dichloroethene
Concen: 9.777 ppbv
RT: 2.719 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

Tgt Ion: 61 Resp: 231151
Ion Ratio Lower Upper
61 100
96 60.8 51.8 77.8
98 38.8 30.6 46.0

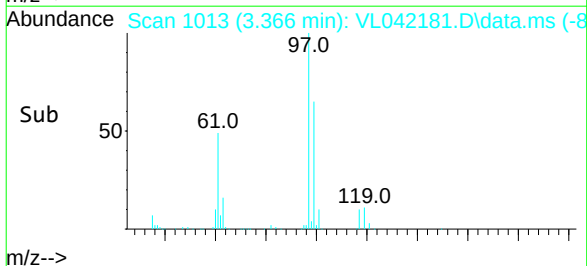
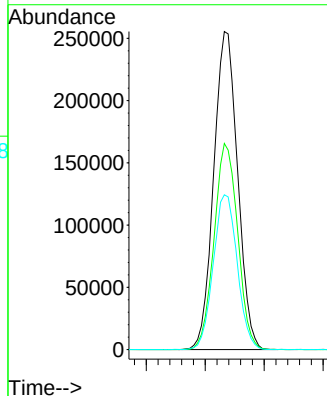
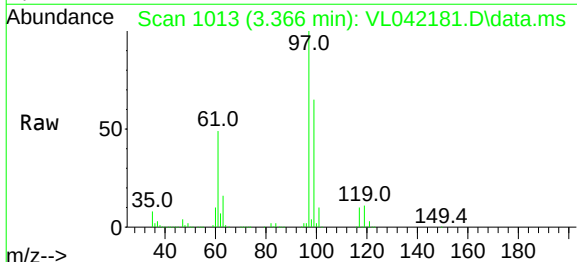
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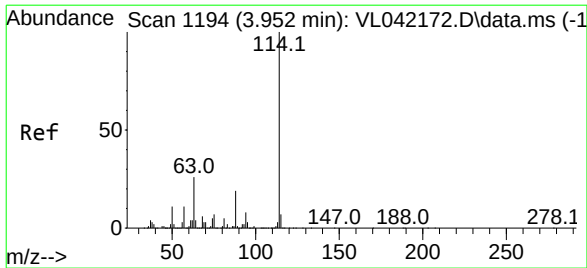
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#32
1,1,1-Trichloroethane
Concen: 9.223 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 97 Resp: 359860
Ion Ratio Lower Upper
97 100
99 63.9 51.5 77.3
61 48.9 38.7 58.1





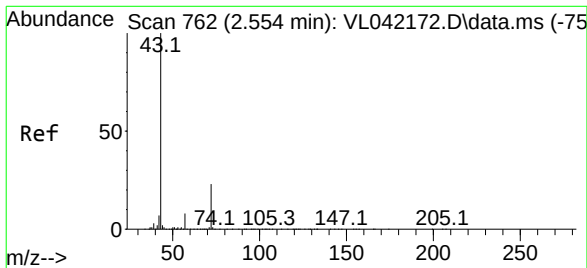
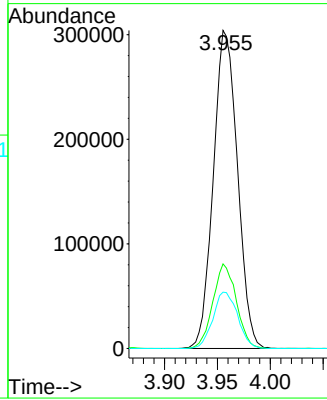
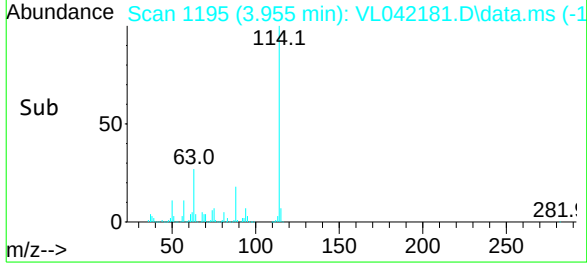
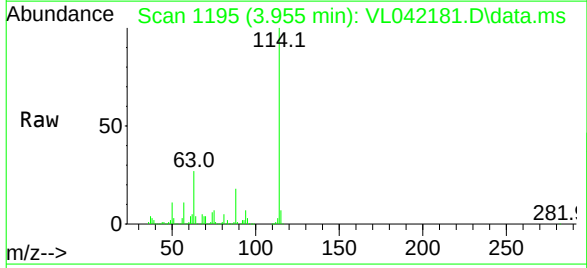
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

Tgt Ion: 114 Resp: 483209
Ion Ratio Lower Upper
114 100
63 25.9 20.7 31.1
88 18.1 15.0 22.4

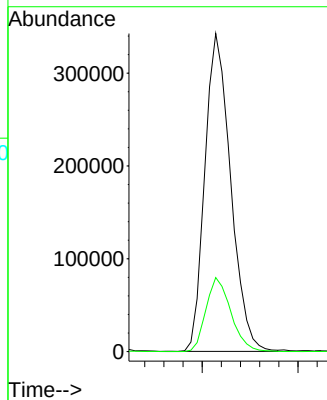
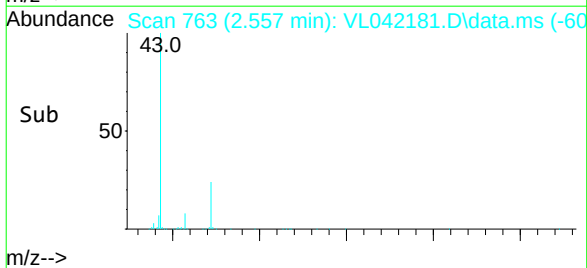
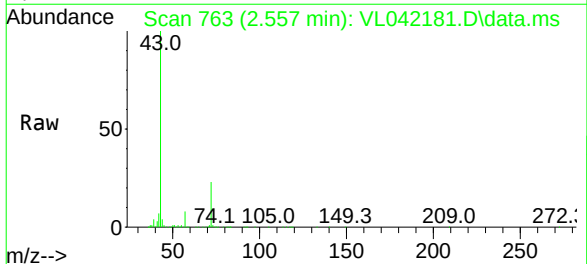
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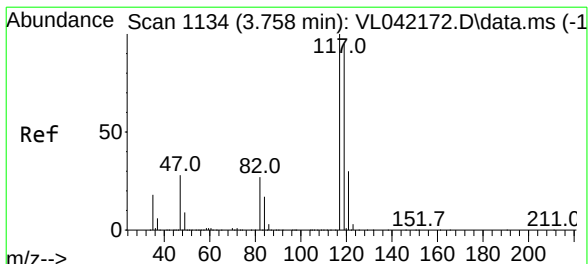
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#34
2-Butanone
Concen: 9.157 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

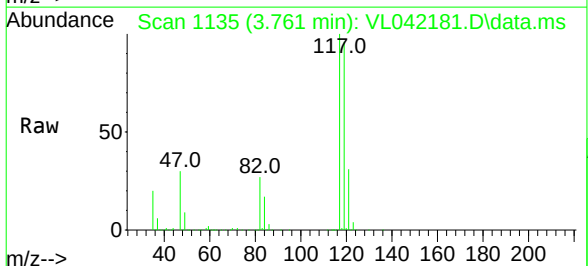
Tgt Ion: 43 Resp: 320843
Ion Ratio Lower Upper
43 100
72 22.6 18.2 27.2





#35
Carbon Tetrachloride
Concen: 9.565 ppbv
RT: 3.761 min Scan# 111
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

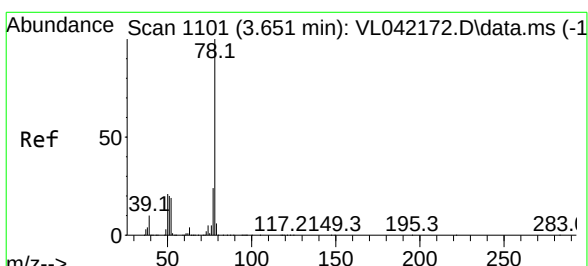
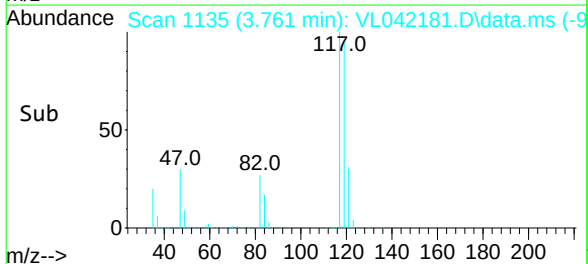
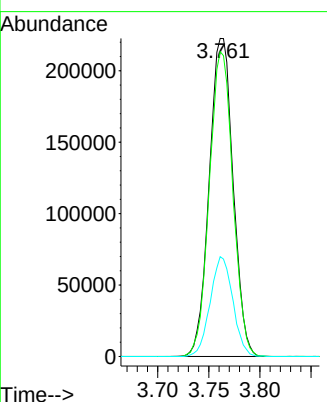
Instrument : MSVOA_L
ClientSampleId : VL0327ABS01



Tgt Ion: 117 Resp: 361037

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.2	114.2
121	31.4	24.2	36.4

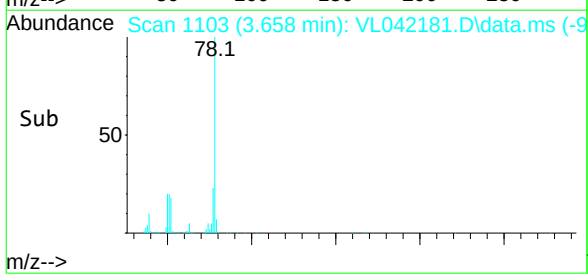
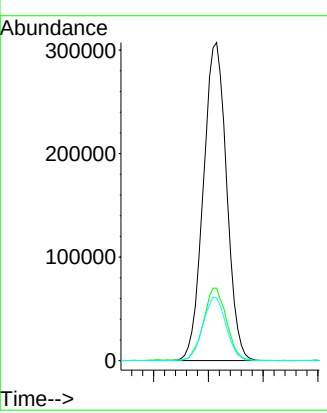
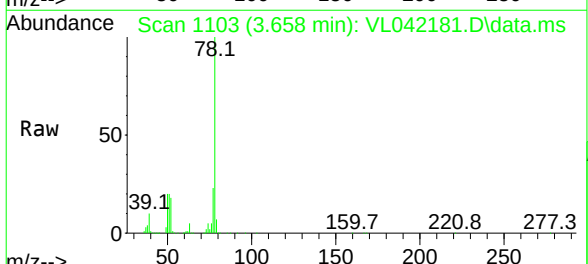
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Reviewed By : Semsettin Yesilyurt 03/31/2025
Supervised By : Mahesh Dadoda 04/03/2025

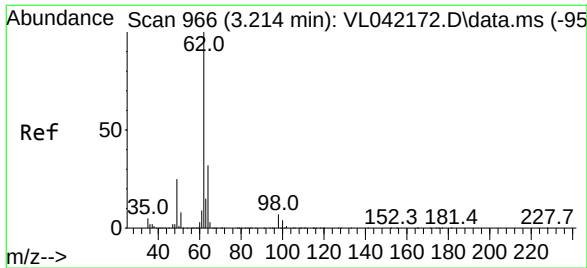


#36
Benzene
Concen: 9.450 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 78 Resp: 452718

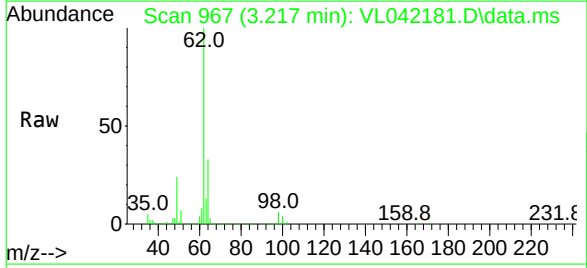
Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.1	28.7
50	19.7	16.6	24.8





#37
1,2-Dichloroethane
Concen: 10.109 ppbv
RT: 3.217 min Scan# 966
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

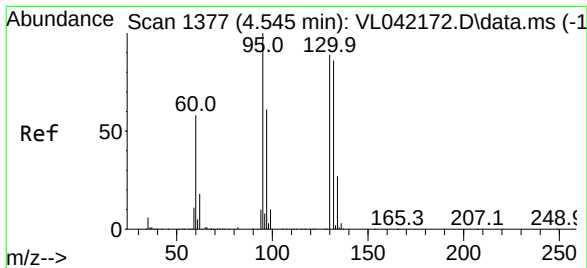
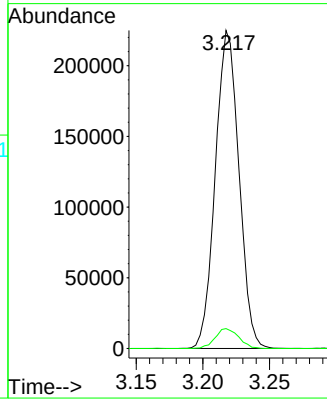
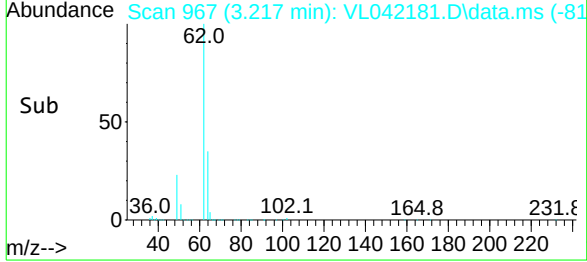
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01



Tgt Ion: 62 Resp: 277247
Ion Ratio Lower Upper
62 100
98 6.2 5.4 8.2

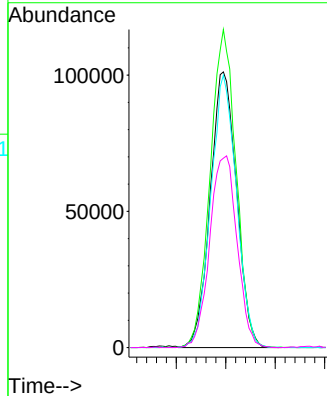
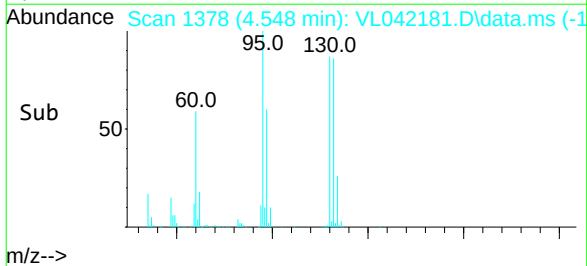
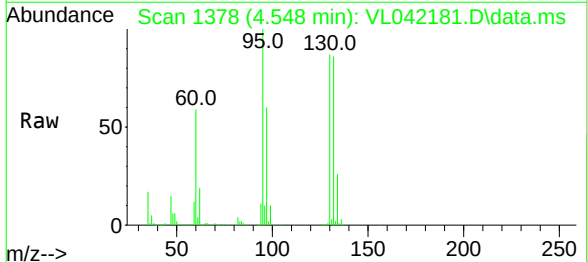
Manual Integrations
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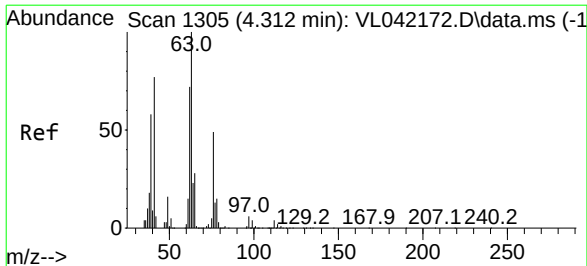
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#38
Trichloroethene
Concen: 9.366 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

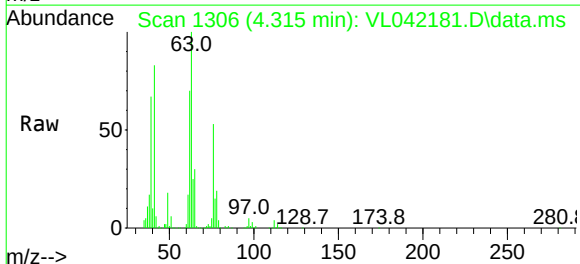
Tgt Ion:130 Resp: 187209
Ion Ratio Lower Upper
130 100
95 115.3 89.8 134.8
132 98.7 77.4 116.2
97 68.7 55.1 82.7





#39
1,2-Dichloropropane
Concen: 9.422 ppbv
RT: 4.315 min Scan# 1305
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

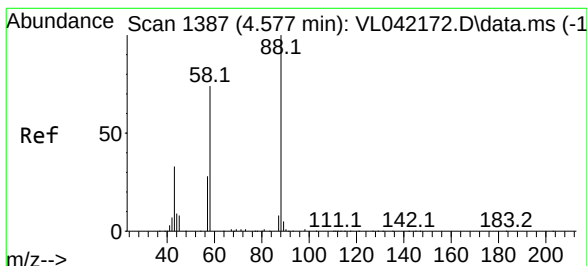
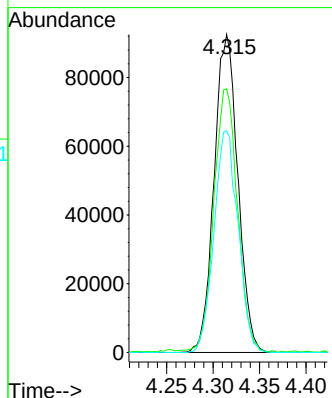
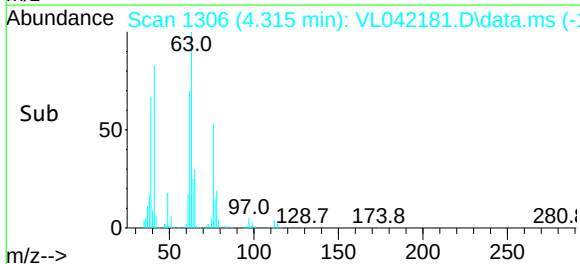
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01



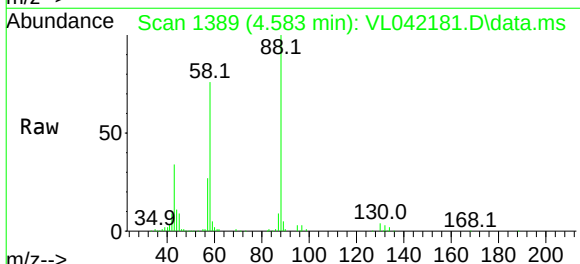
Tgt Ion: 63 Resp: 164374
Ion Ratio Lower Upper
63 100
41 82.9 61.7 92.5
62 69.7 57.6 86.4

Manual Integrations
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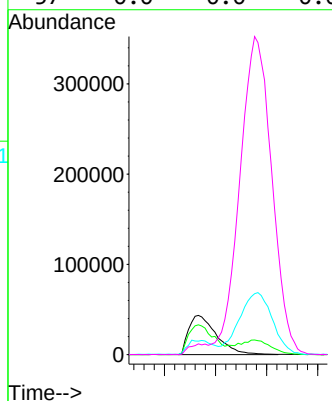
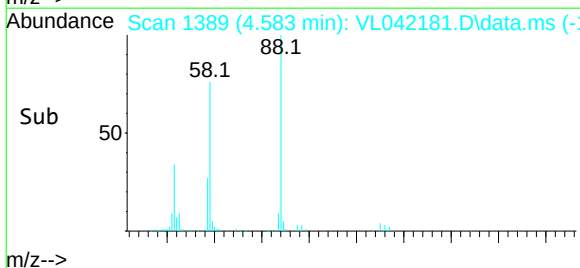
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

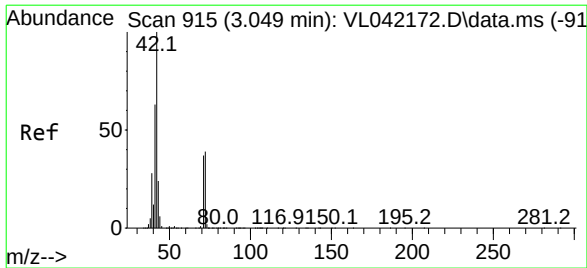


#40
1,4-Dioxane
Concen: 8.857 ppbv
RT: 4.583 min Scan# 1389
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39



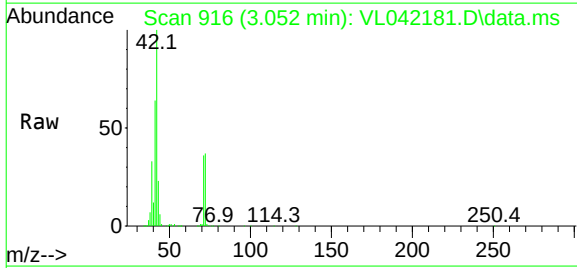
Tgt Ion: 88 Resp: 82012
Ion Ratio Lower Upper
88 100
58 73.5 62.7 94.1
43 35.8 23.0 34.4#
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 9.362 ppbv
RT: 3.052 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

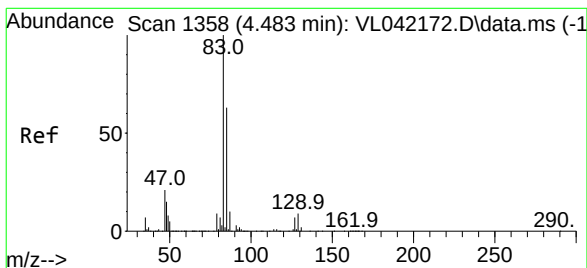
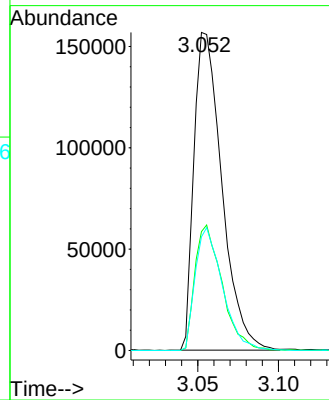
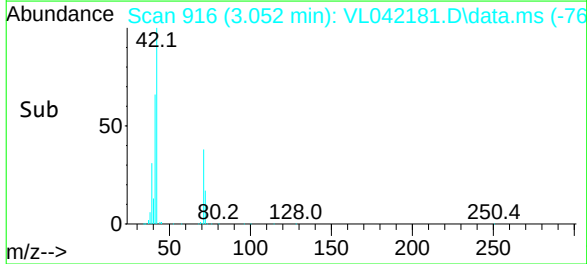
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01



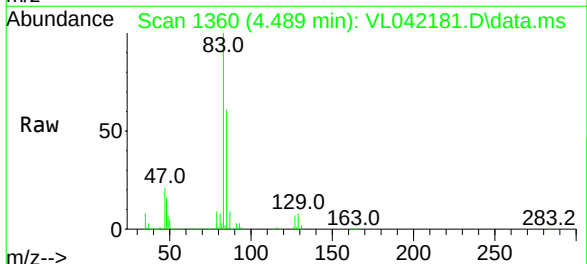
Tgt Ion: 42 Resp: 188907
Ion Ratio Lower Upper
42 100
72 38.5 31.4 47.0
71 37.8 30.2 45.4

Manual Integrations
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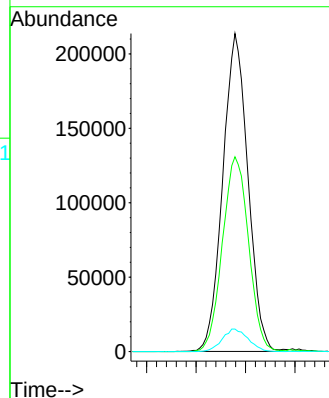
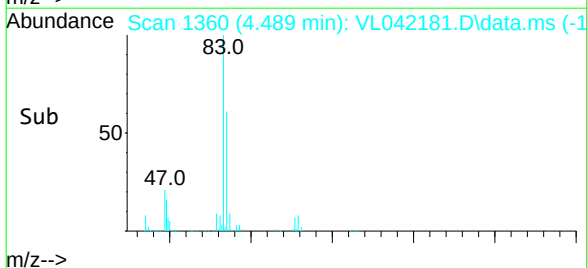
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

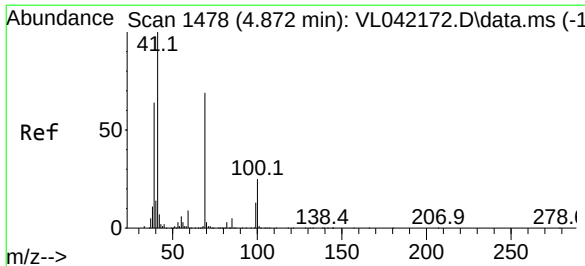


#42
Bromodichloromethane
Concen: 9.974 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39



Tgt Ion: 83 Resp: 377092
Ion Ratio Lower Upper
83 100
85 61.3 50.5 75.7
127 7.1 5.9 8.9





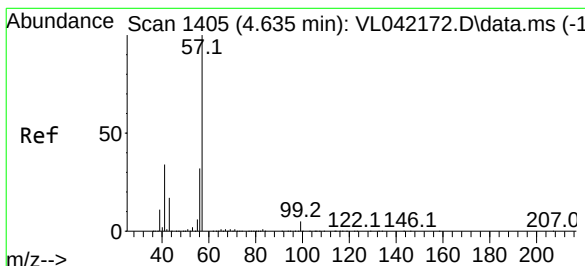
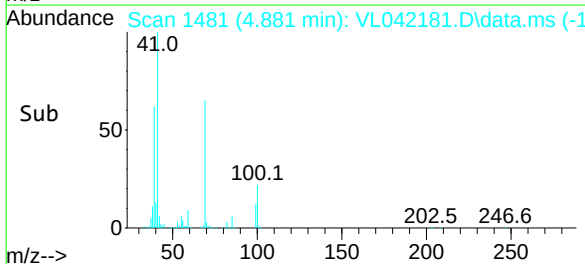
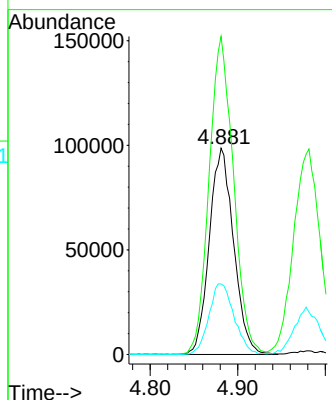
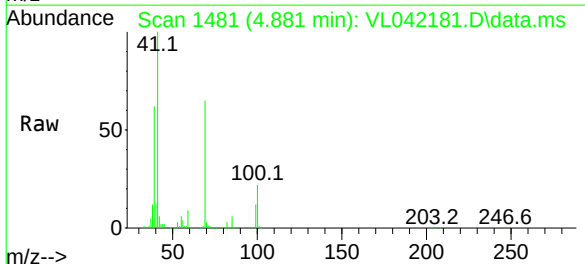
#43
Methyl Methacrylate
Concen: 9.377 ppbv
RT: 4.881 min Scan# 1478
Delta R.T. 0.009 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

Tgt Ion: 69 Resp: 190156
Ion Ratio Lower Upper
69 100
41 154.1 123.8 185.6
100 35.7 28.4 42.6

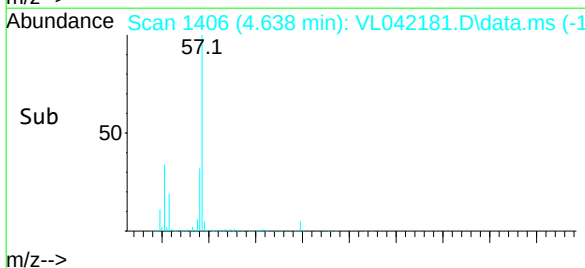
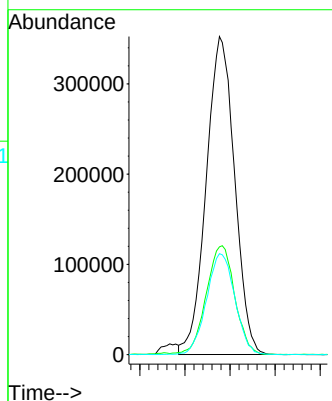
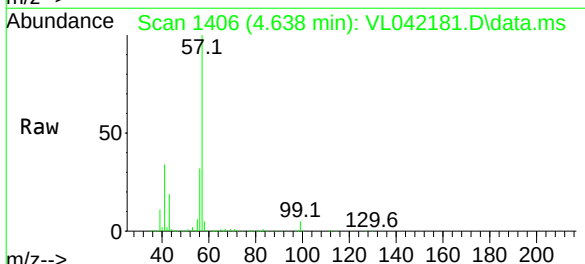
Manual Integrations
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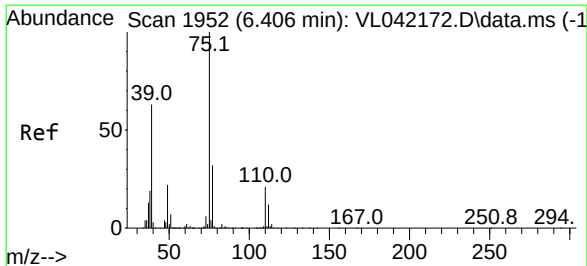
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#44
2,2,4-Trimethylpentane
Concen: 9.509 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 57 Resp: 769803
Ion Ratio Lower Upper
57 100
41 34.8 26.8 40.2
56 31.8 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 9.376 ppbv

RT: 6.415 min Scan# 19

Delta R.T. 0.009 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0327ABS01

Tgt Ion: 75 Resp: 204004

Ion Ratio Lower Upper

75 100

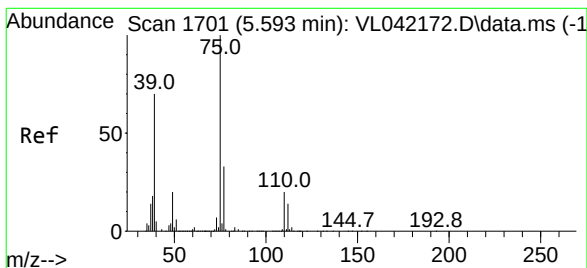
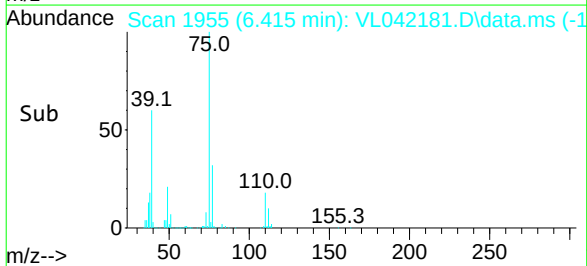
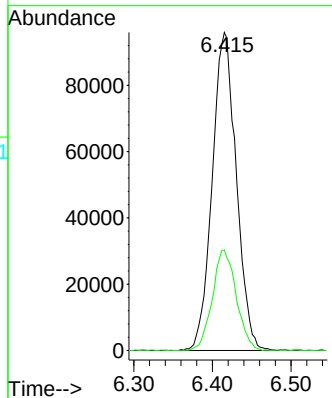
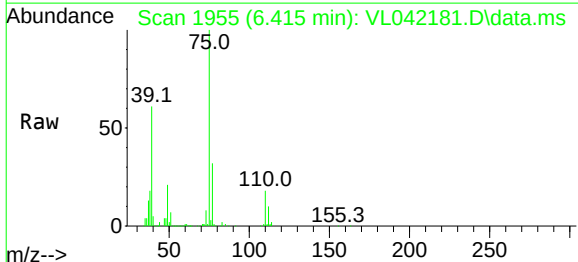
77 31.6 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#46

cis-1,3-Dichloropropene

Concen: 9.437 ppbv

RT: 5.599 min Scan# 1703

Delta R.T. 0.006 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

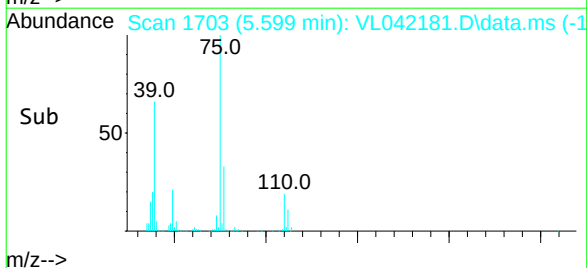
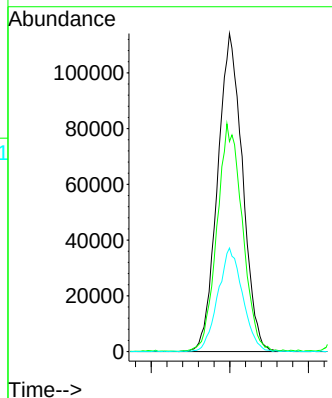
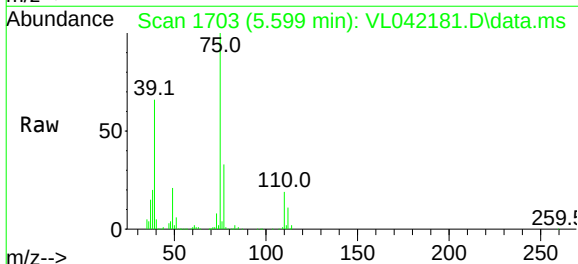
Tgt Ion: 75 Resp: 251694

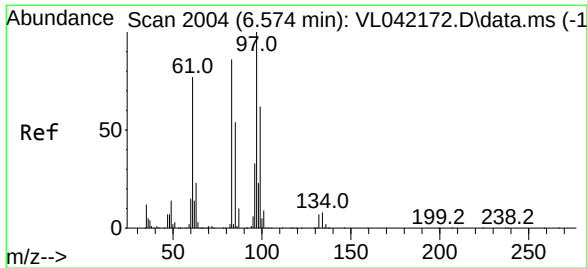
Ion Ratio Lower Upper

75 100

39 66.0 55.8 83.6

77 32.6 26.0 39.0





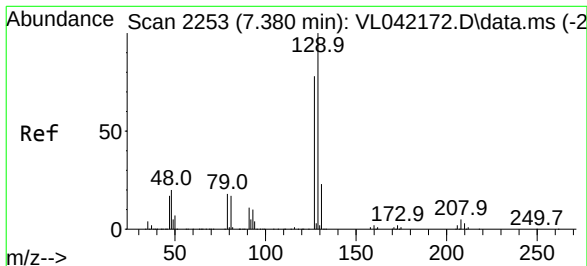
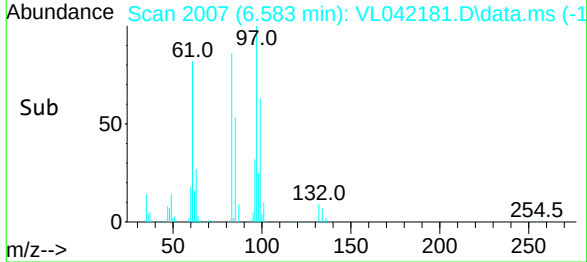
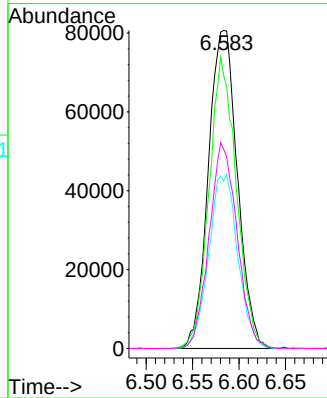
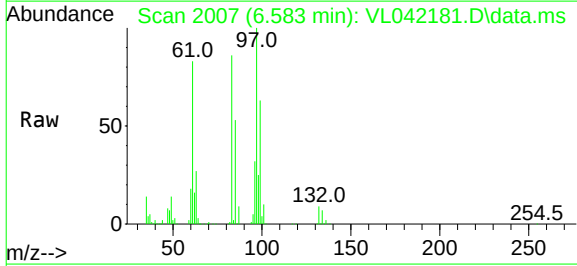
#47
1,1,2-Trichloroethane
Concen: 9.517 ppbv
RT: 6.583 min Scan# 2007
Delta R.T. 0.009 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

Tgt Ion:	97	Resp:	175509
Ion Ratio	Lower	Upper	
97	100		
83	85.6	69.2	103.8
85	52.6	43.1	64.7
99	62.6	49.4	74.2

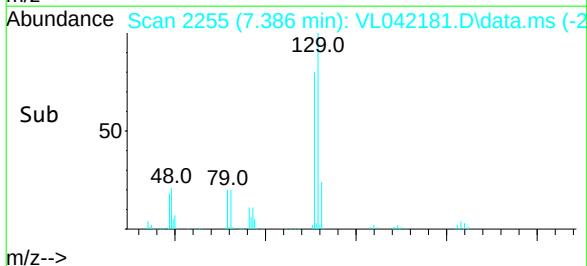
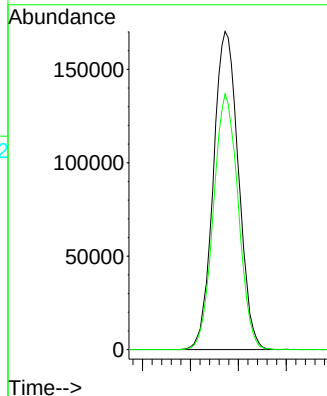
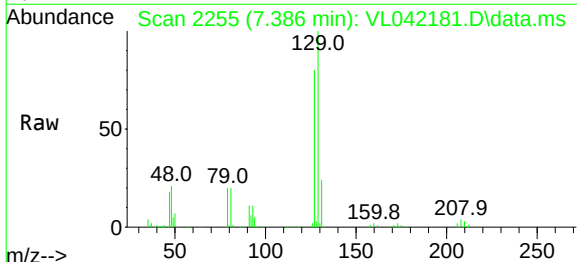
Manual Integrations
APPROVED

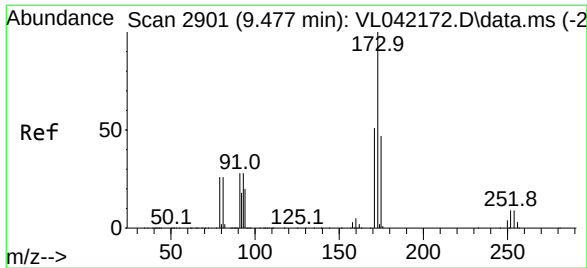
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#48
Dibromochloromethane
Concen: 9.923 ppbv
RT: 7.386 min Scan# 2255
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion:	129	Resp:	310158
Ion Ratio	Lower	Upper	
129	100		
127	79.1	39.1	117.2





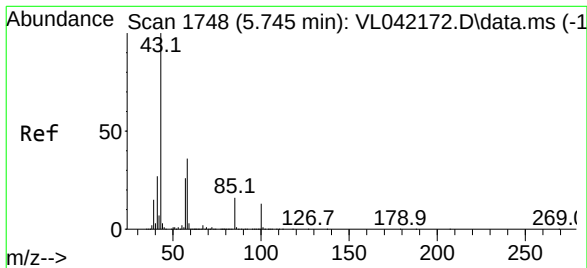
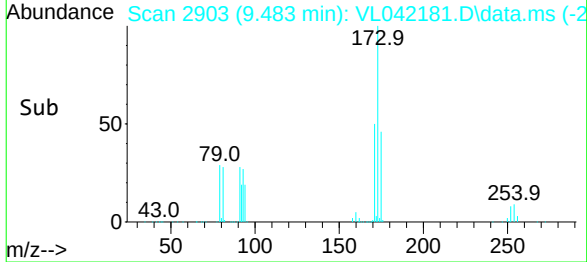
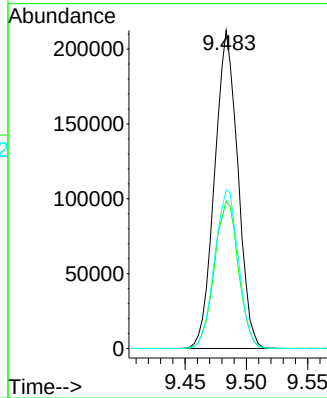
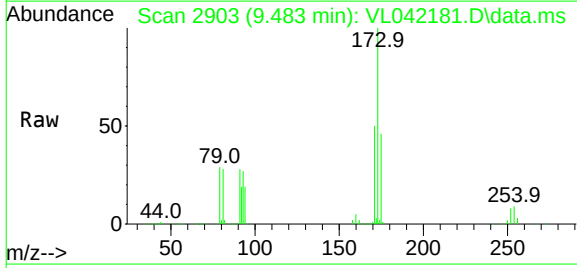
#49
Bromoform
Concen: 9.957 ppbv
RT: 9.483 min Scan# 2901
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.6	57.8
171	51.4	41.8	62.6

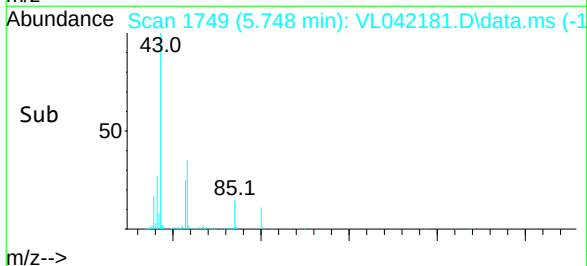
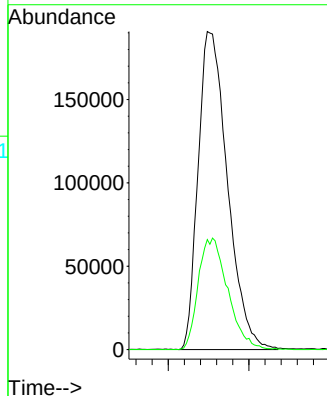
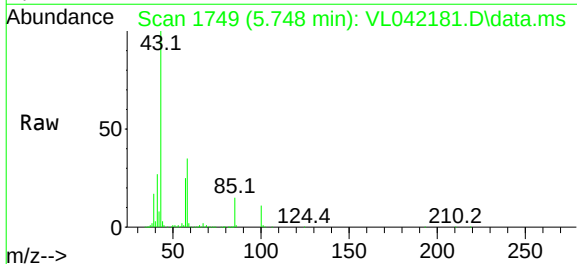
Manual Integrations
APPROVED

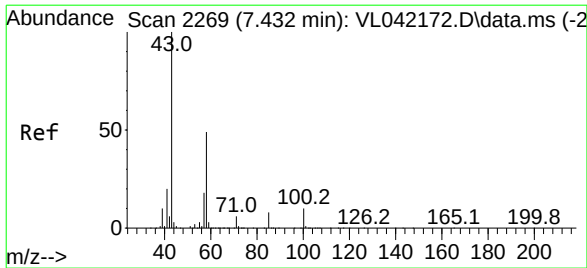
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#50
4-Methyl-2-Pentanone
Concen: 8.679 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

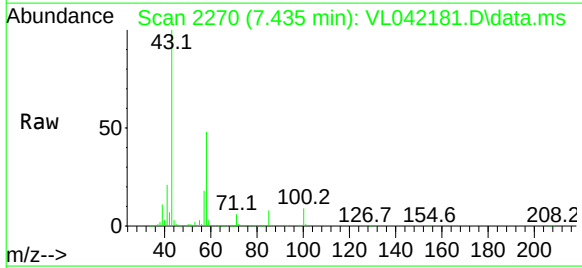
Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.3	29.0	43.6





#51
2-Hexanone
Concen: 8.674 ppbv
RT: 7.435 min Scan# 2269
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

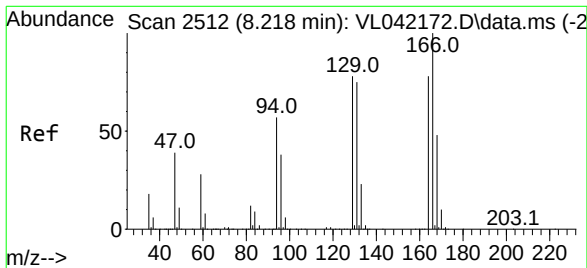
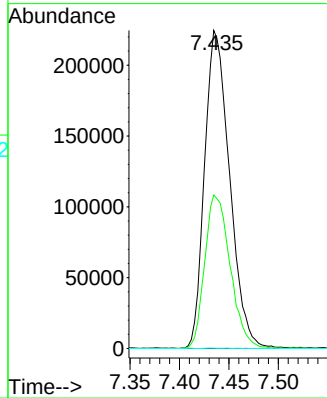
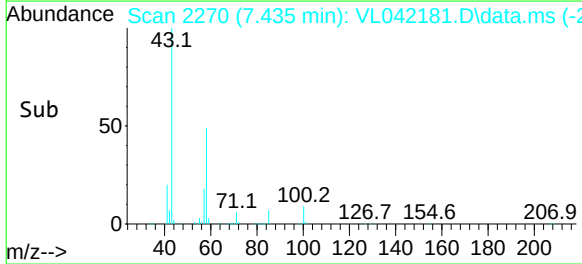
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01



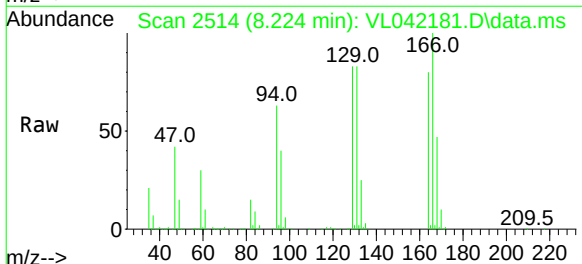
Tgt Ion: 43 Resp: 395520
Ion Ratio Lower Upper
43 100
58 49.0 39.7 59.5
98 0.1 0.1 0.1

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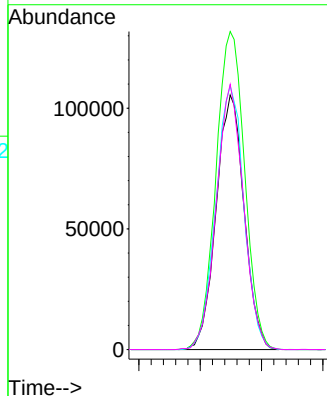
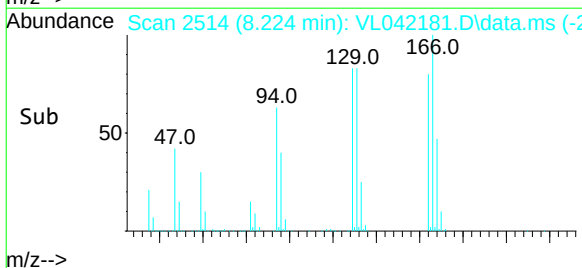
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

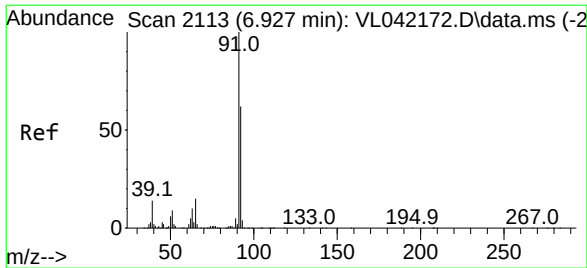


#52
Tetrachloroethene
Concen: 8.791 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39



Tgt Ion:164 Resp: 167015
Ion Ratio Lower Upper
164 100
166 124.8 102.5 153.7
129 103.6 79.8 119.8
131 104.0 76.6 114.8





#53

Toluene

Concen: 9.520 ppbv

RT: 6.930 min Scan# 2113

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0327ABS01

Tgt Ion: 91 Resp: 540612

Ion Ratio Lower Upper

91 100

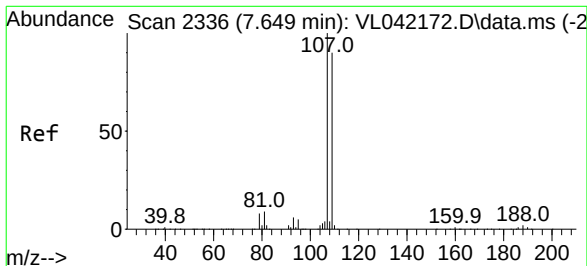
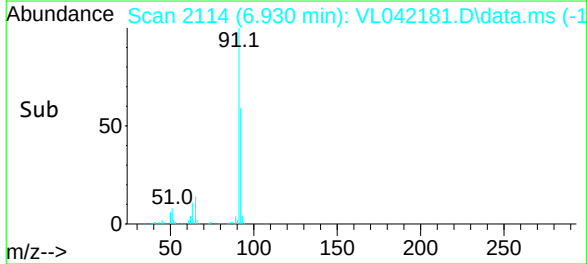
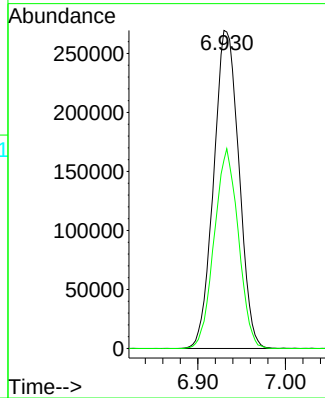
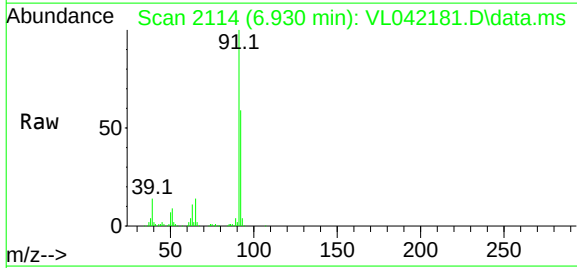
92 60.0 48.4 72.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#54

1,2-Dibromoethane

Concen: 9.589 ppbv

RT: 7.655 min Scan# 2338

Delta R.T. 0.006 min

Lab File: VL042181.D

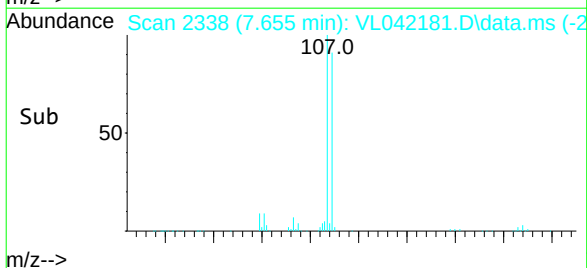
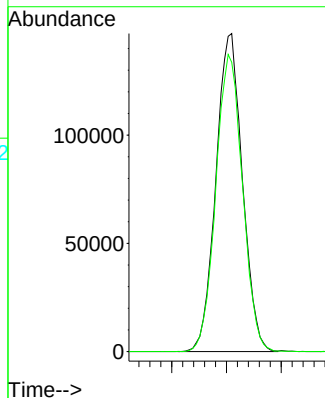
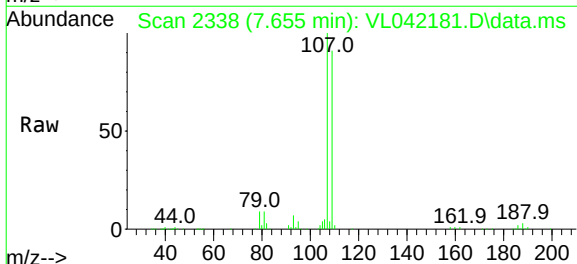
Acq: 27 Mar 2025 14:39

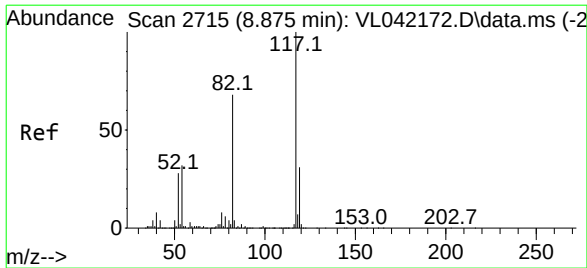
Tgt Ion:107 Resp: 246519

Ion Ratio Lower Upper

107 100

109 90.9 72.2 108.4





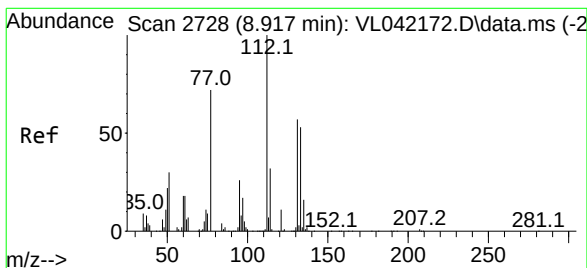
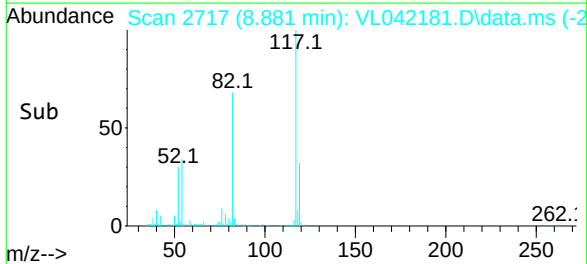
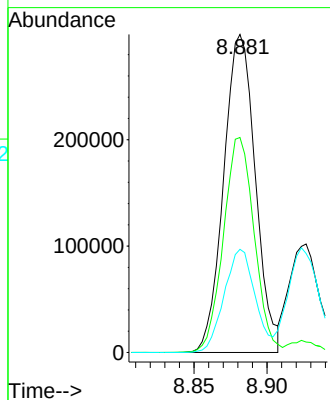
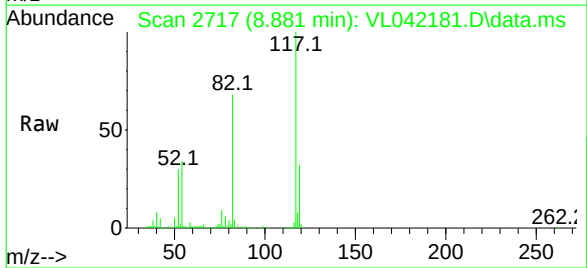
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2715
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

Tgt Ion:	117	Resp:	452250
Ion	Ratio	Lower	Upper
117	100		
82	68.9	55.8	83.6
119	32.8	25.5	38.3

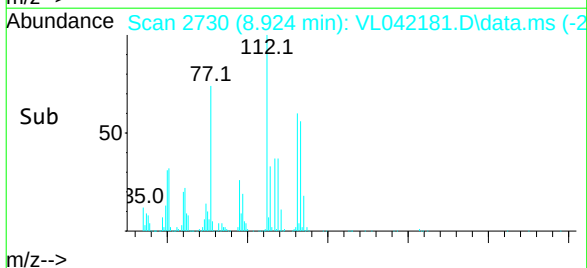
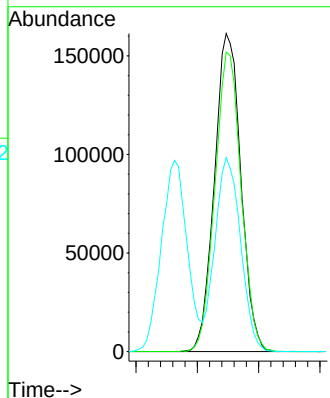
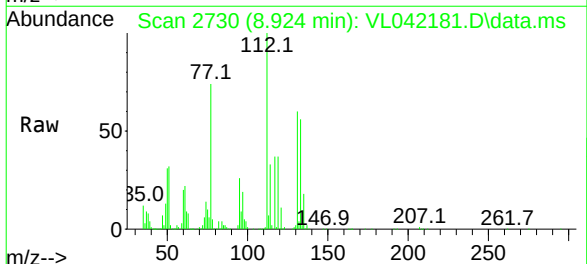
Manual Integrations
APPROVED

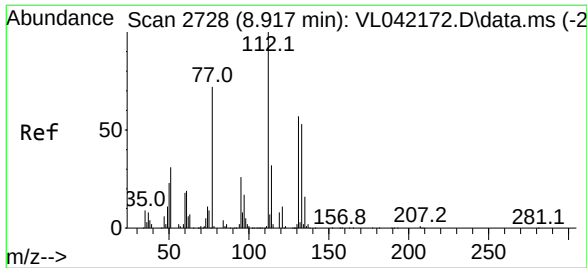
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 9.677 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

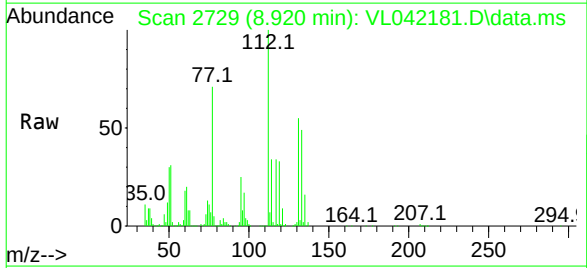
Tgt Ion:	131	Resp:	240905
Ion	Ratio	Lower	Upper
131	100		
133	93.5	76.6	114.8
119	57.6	49.8	74.6





#57
Chlorobenzene
Concen: 9.507 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

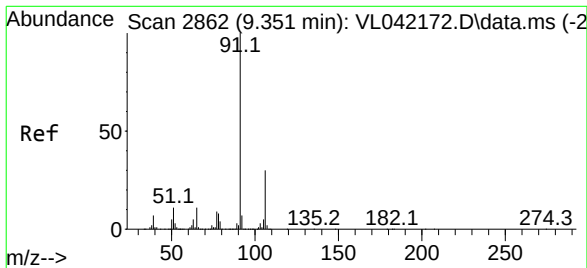
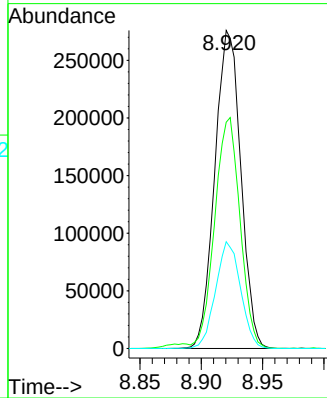
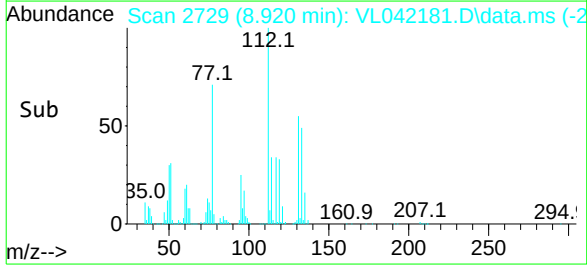
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01



Tgt Ion:112 Resp: 407816
Ion Ratio Lower Upper
112 100
77 71.1 58.2 87.2
114 33.6 29.1 35.5

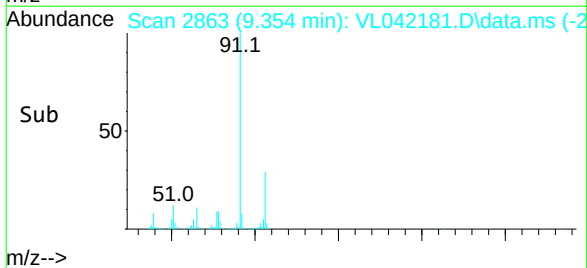
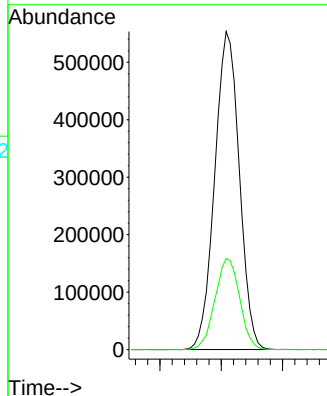
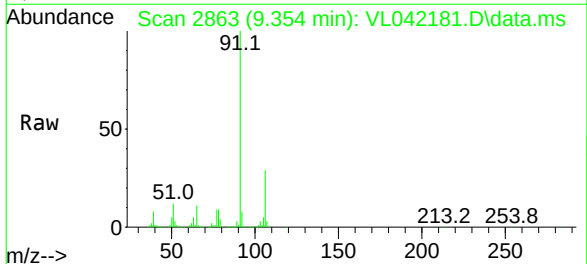
Manual Integrations
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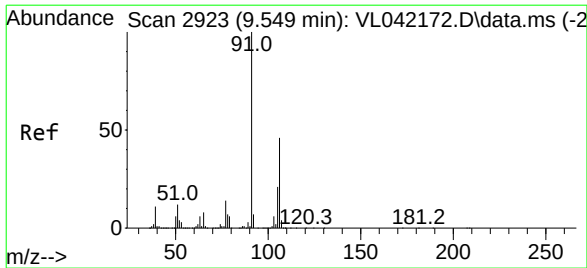
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#58
Ethyl Benzene
Concen: 9.583 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

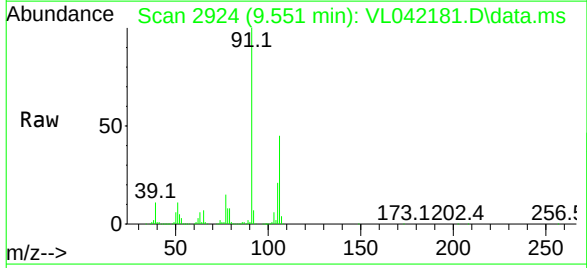
Tgt Ion: 91 Resp: 769818
Ion Ratio Lower Upper
91 100
106 28.6 24.2 36.2





#59
m/p-Xylene
Concen: 19.028 ppbv m
RT: 9.551 min Scan# 29
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

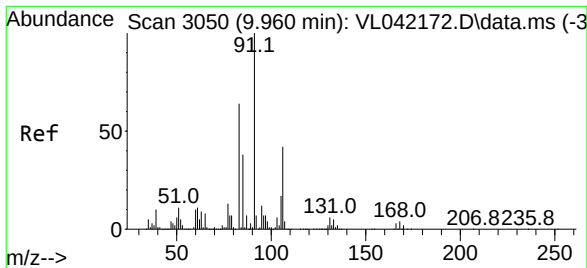
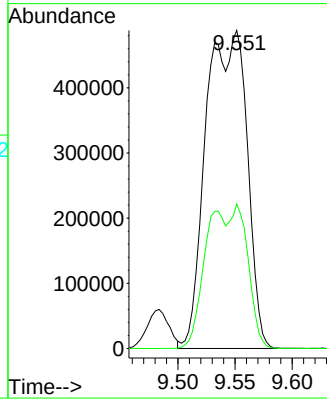
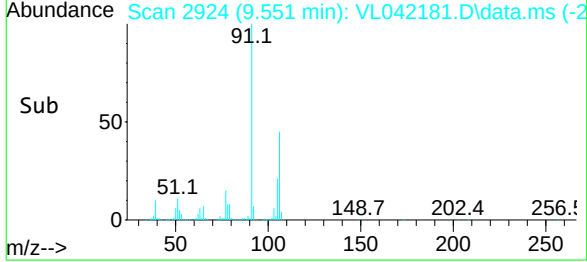
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01



Tgt Ion: 91 Resp: 1220553
Ion Ratio Lower Upper
91 100
106 45.2 36.4 54.6

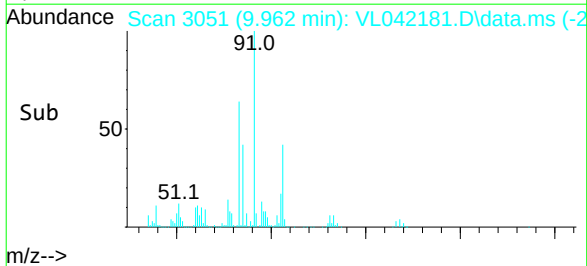
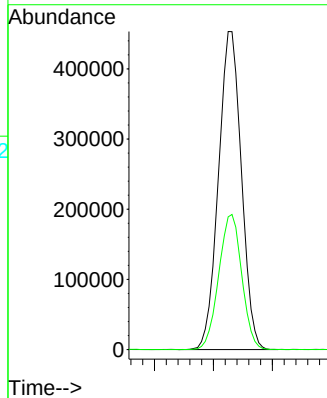
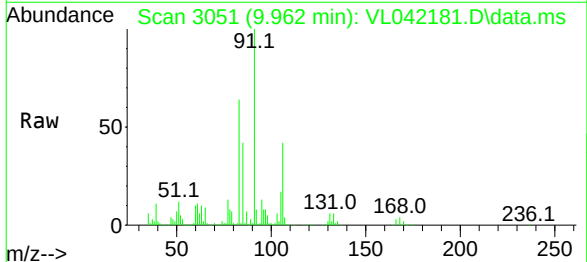
Manual Integrations
APPROVED

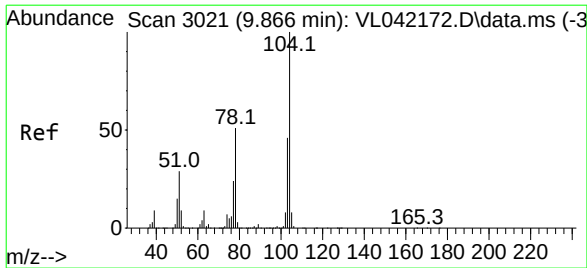
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#60
o-Xylene
Concen: 9.518 ppbv
RT: 9.962 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 91 Resp: 612011
Ion Ratio Lower Upper
91 100
106 42.7 20.8 62.5





#61

Styrene

Concen: 9.639 ppbv

RT: 9.869 min Scan# 3021

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

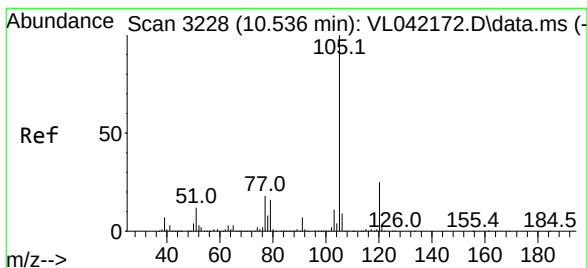
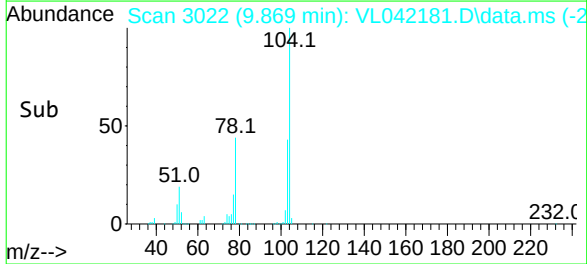
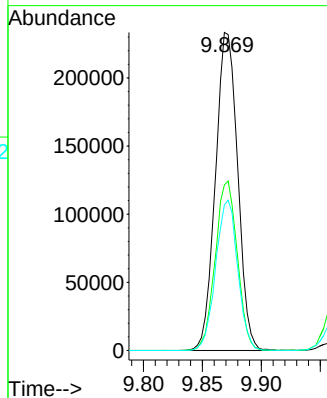
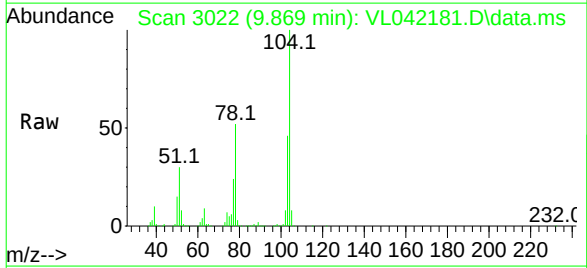
VL0327ABS01

Tgt Ion:	104	Resp:	306658
Ion Ratio	Lower	Upper	
104	100		
78	52.9	41.8	62.6
103	46.8	37.0	55.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#62

Isopropylbenzene

Concen: 9.600 ppbv

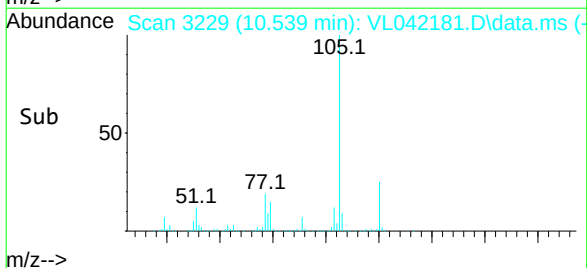
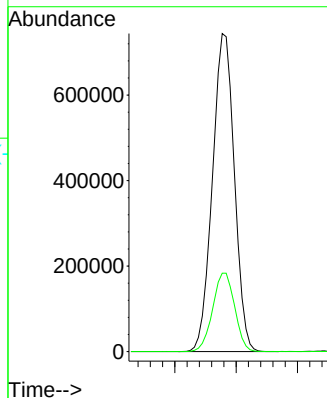
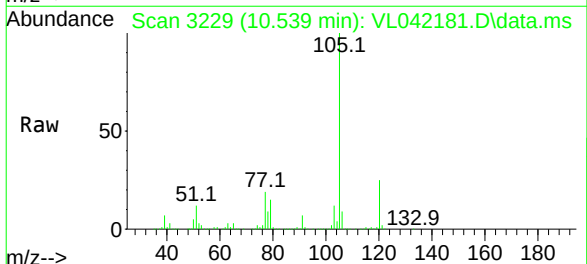
RT: 10.539 min Scan# 3229

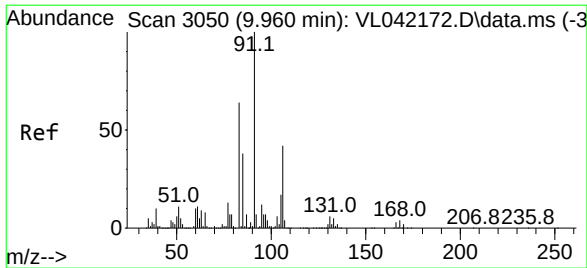
Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

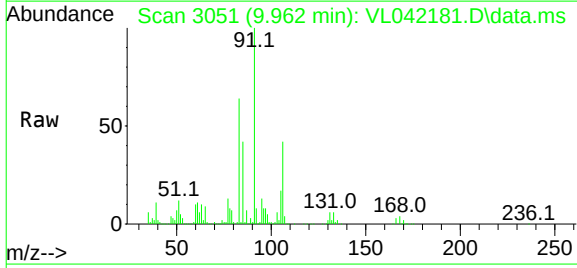
Tgt Ion:	105	Resp:	923163
Ion Ratio	Lower	Upper	
105	100		
120	24.8	19.9	29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 9.483 ppbv
RT: 9.962 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

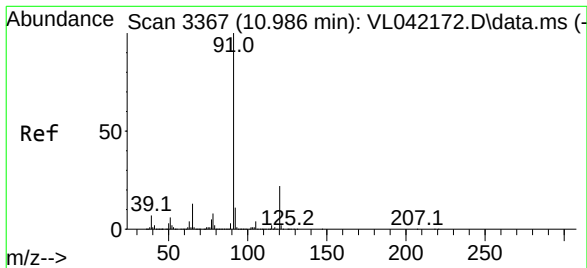
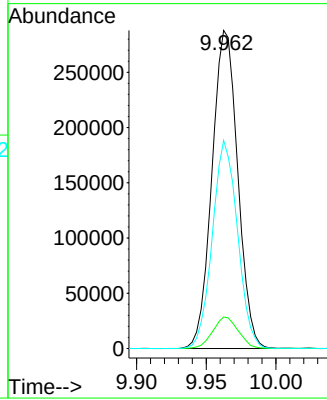
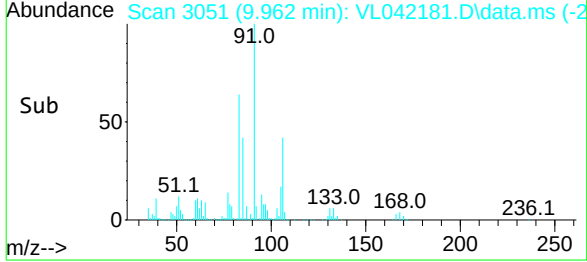
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01



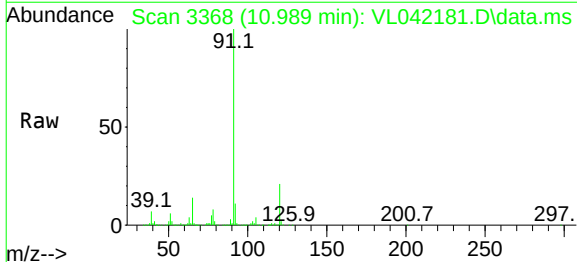
Tgt Ion: 83 Resp: 370486
Ion Ratio Lower Upper
83 100
131 9.9 4.8 14.4
85 63.9 32.5 97.5

Manual Integrations
APPROVED

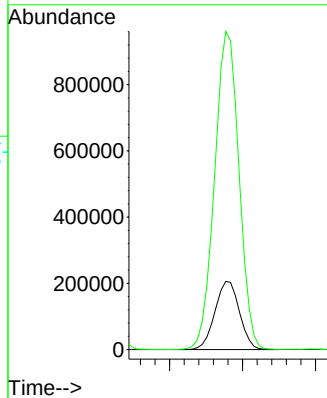
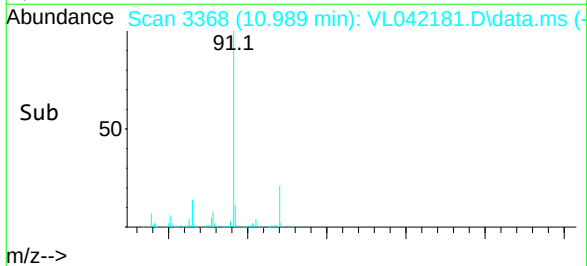
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

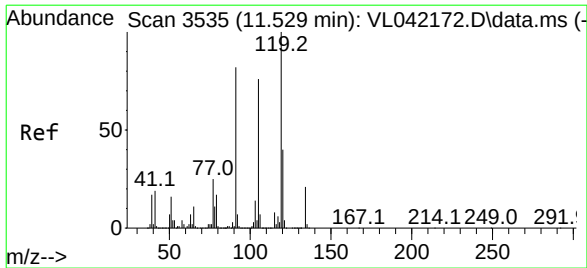


#64
n-propylbenzene
Concen: 9.682 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39



Tgt Ion:120 Resp: 239652
Ion Ratio Lower Upper
120 100
91 465.1 376.9 565.3





#65

tert-Butylbenzene

Concen: 9.315 ppbv

RT: 11.532 min Scan# 3535

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

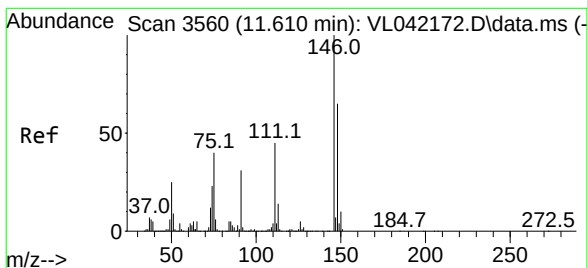
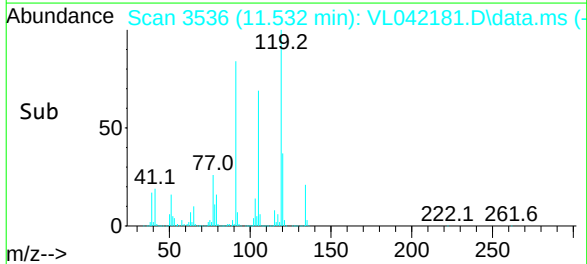
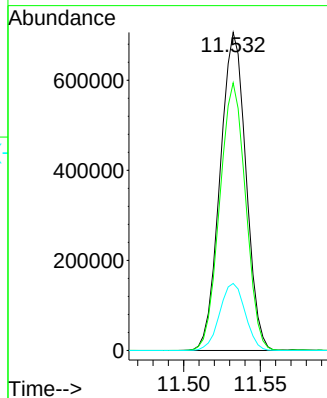
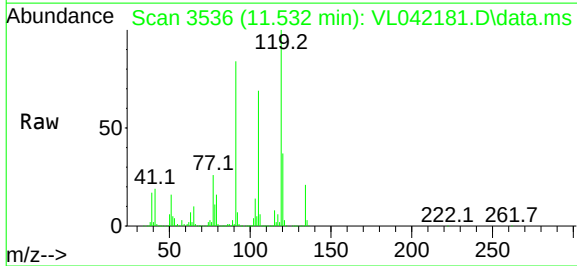
VL0327ABS01

Tgt Ion:	119	Resp:	828438
Ion	Ratio	Lower	Upper
119	100		
91	84.2	66.0	99.0
134	20.8	16.7	25.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#66

Benzyl Chloride

Concen: 8.627 ppbv

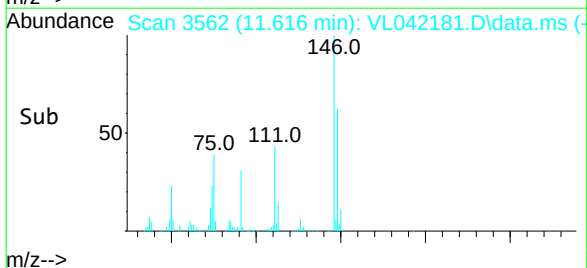
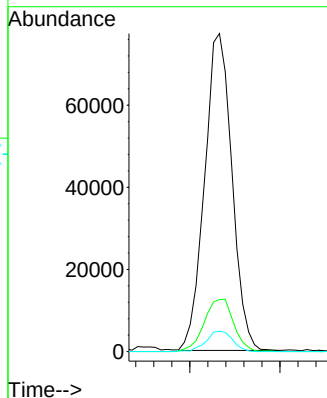
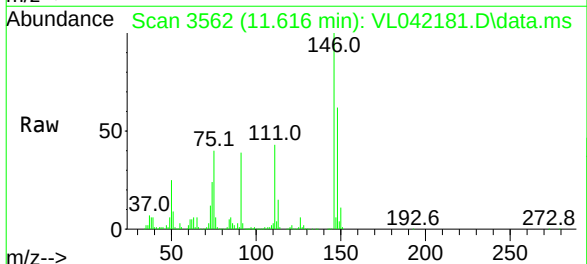
RT: 11.616 min Scan# 3562

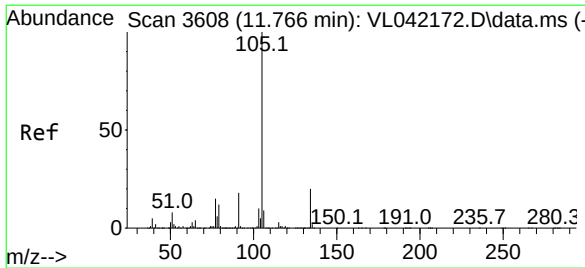
Delta R.T. 0.006 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

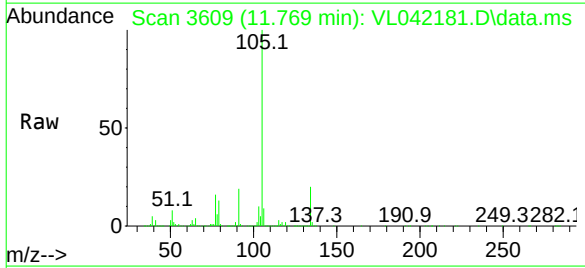
Tgt Ion:	91	Resp:	81404
Ion	Ratio	Lower	Upper
91	100		
126	17.8	13.8	20.6
128	6.2	4.5	6.7





#67
 sec-Butylbenzene
 Concen: 9.347 ppbv
 RT: 11.769 min Scan# 3608
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

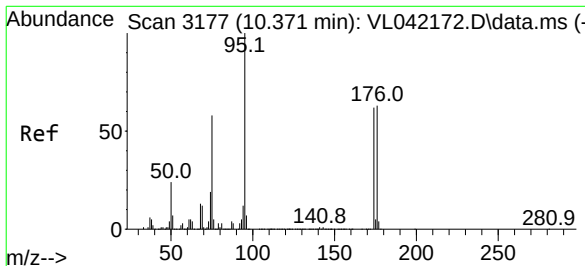
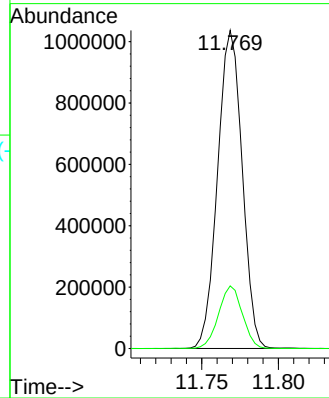
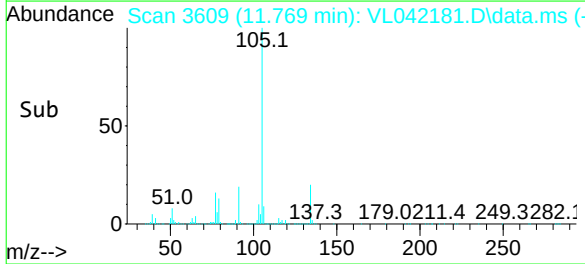
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0327ABS01



Tgt Ion: 105 Resp: 1155378
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.5 23.3

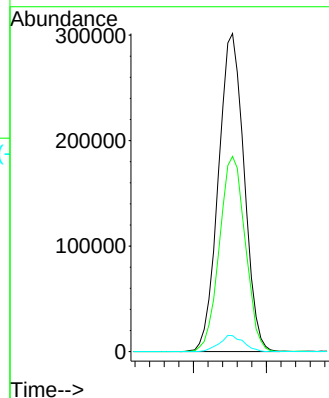
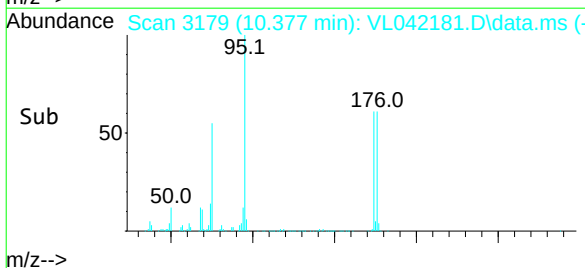
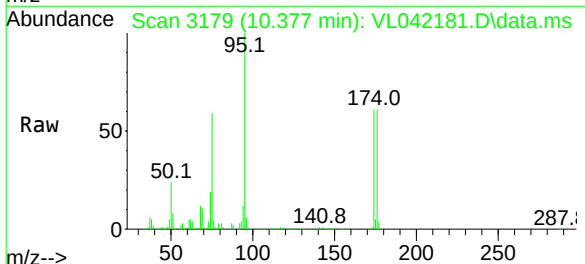
Manual Integrations
 APPROVED

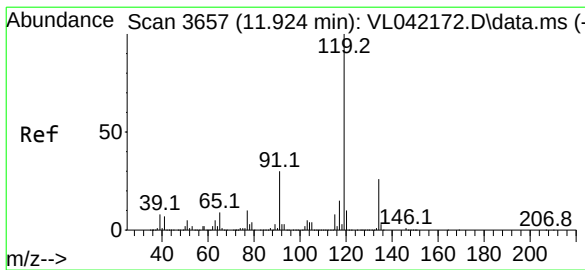
Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.934 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.006 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

Tgt Ion: 95 Resp: 368941
 Ion Ratio Lower Upper
 95 100
 174 61.7 50.6 76.0
 175 4.8 3.8 5.6





#69

p-Isopropyltoluene

Concen: 9.503 ppbv

RT: 11.927 min Scan# 3657

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0327ABS01

Tgt Ion: 119 Resp: 1011573

Ion Ratio Lower Upper

119 100

134 25.5 20.4 30.6

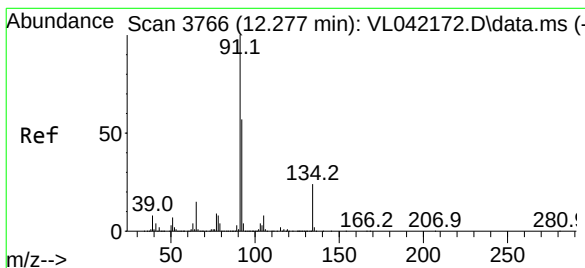
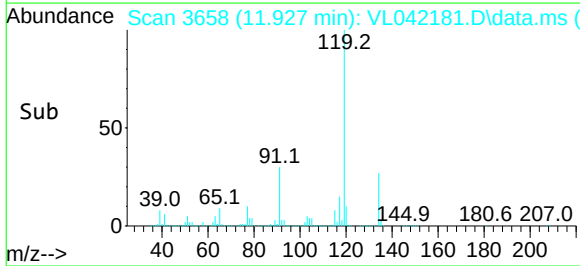
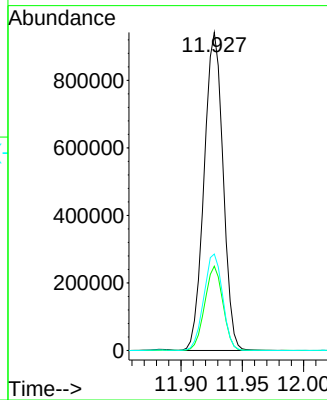
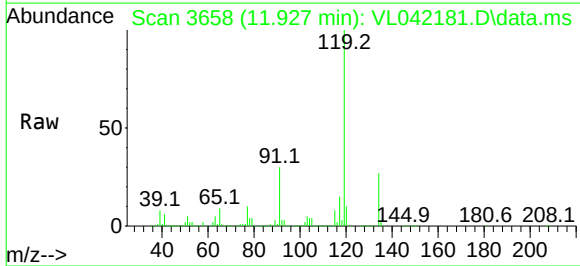
91 30.3 23.7 35.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#70

n-Butylbenzene

Concen: 9.397 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. 0.006 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

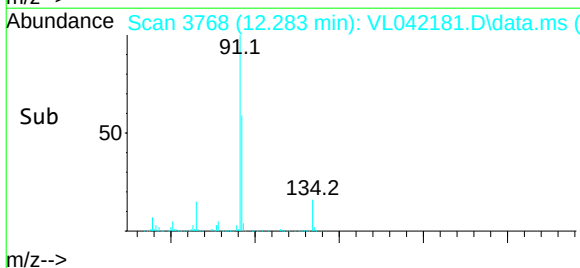
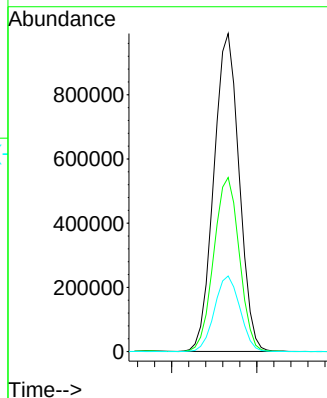
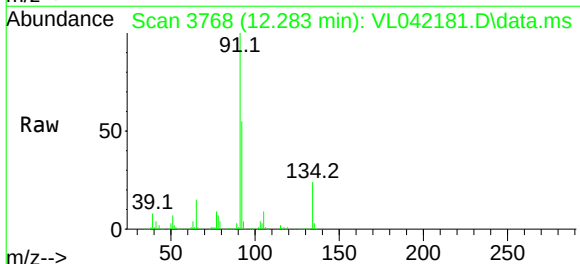
Tgt Ion: 91 Resp: 1022935

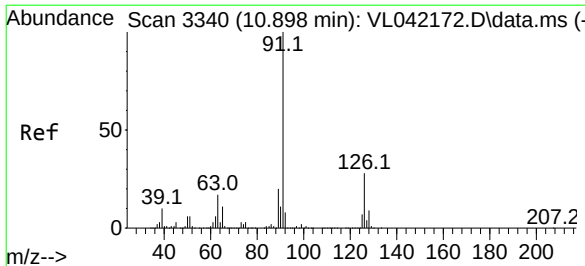
Ion Ratio Lower Upper

91 100

92 55.5 44.9 67.3

134 24.0 19.2 28.8





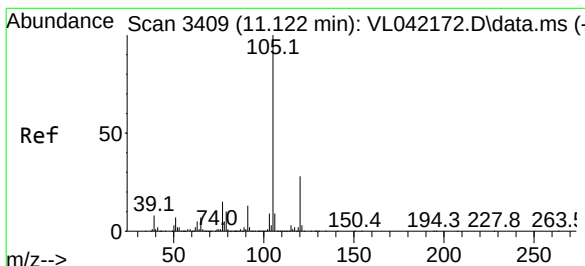
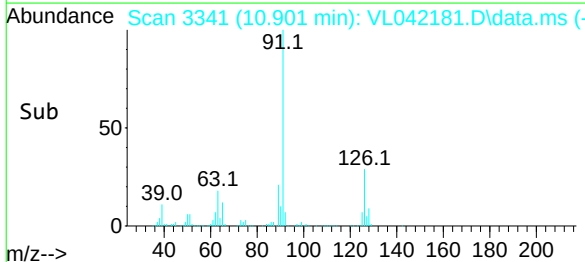
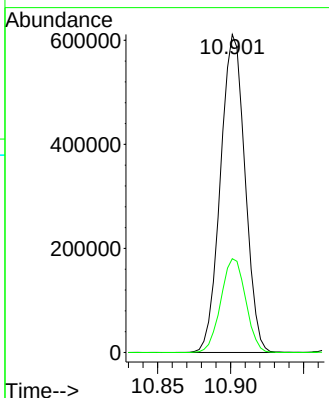
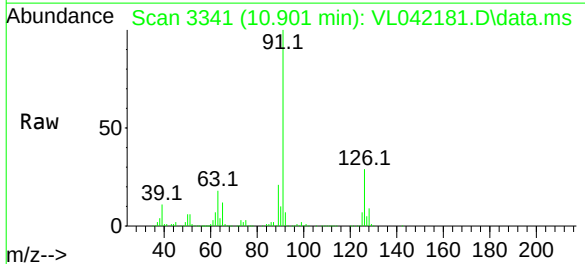
#71
2-Chlorotoluene
Concen: 9.562 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

Tgt Ion: 91 Resp: 713648
Ion Ratio Lower Upper
91 100
126 29.8 11.6 46.4

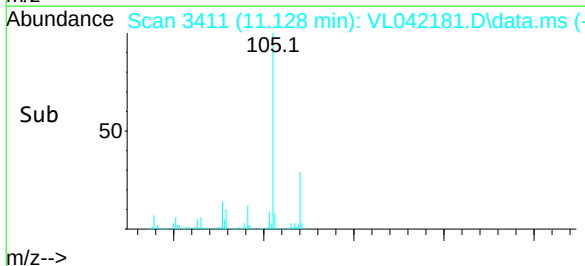
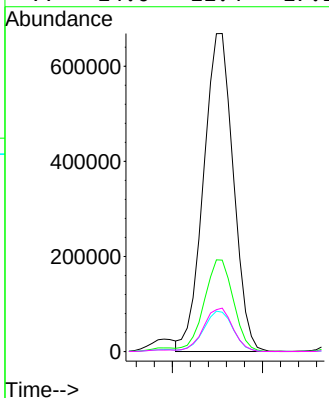
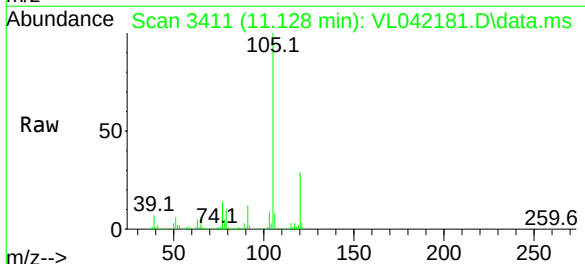
Manual Integrations
APPROVED

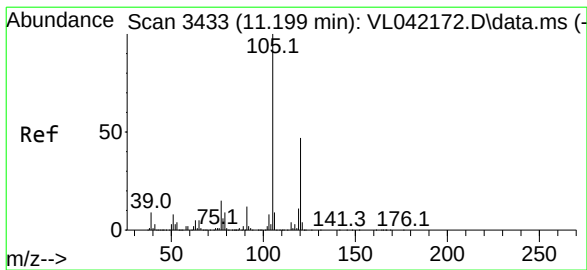
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#72
4-Ethyltoluene
Concen: 9.576 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion:105 Resp: 766720
Ion Ratio Lower Upper
105 100
120 29.4 23.4 35.0
91 13.1 10.3 15.5
77 14.0 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 9.451 ppbv

RT: 11.205 min Scan# 34

Delta R.T. 0.006 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0327ABS01

Tgt Ion:105 Resp: 660905

Ion Ratio Lower Upper

105 100

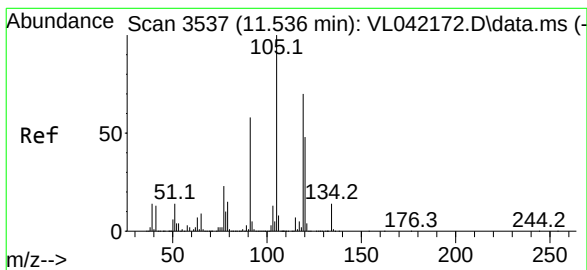
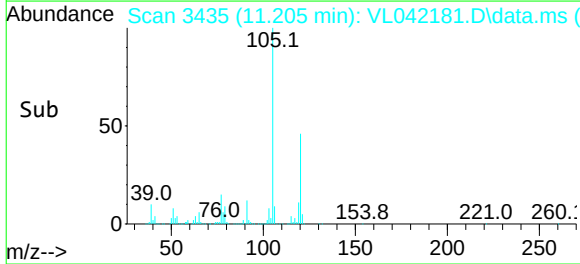
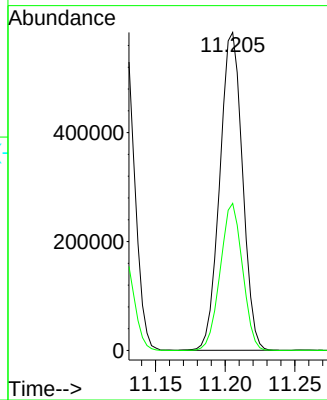
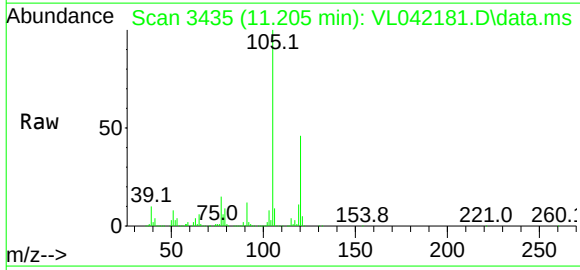
120 46.3 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 8.921 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Tgt Ion:105 Resp: 718683

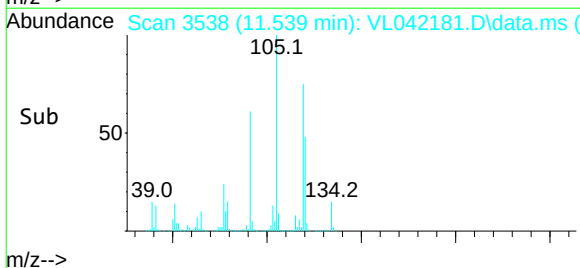
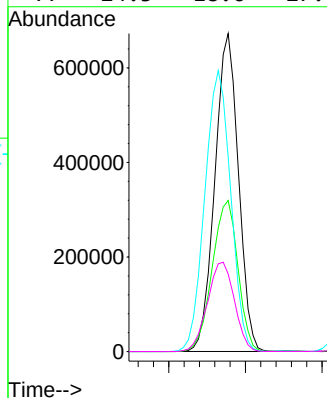
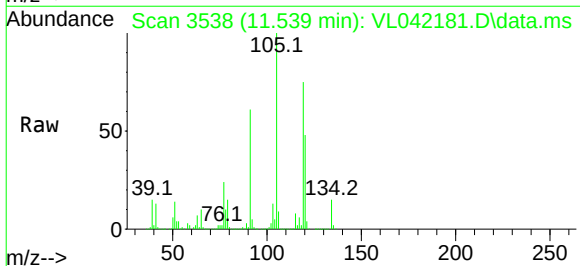
Ion Ratio Lower Upper

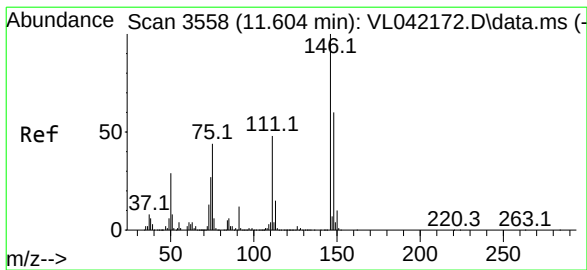
105 100

120 47.5 38.6 58.0

91 61.0 46.2 69.2

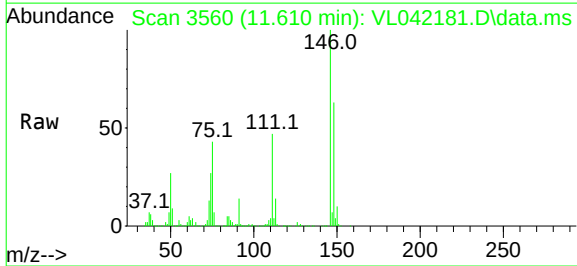
77 24.3 18.6 27.8





#75
1,3-Dichlorobenzene
Concen: 9.401 ppbv
RT: 11.610 min Scan# 3558
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

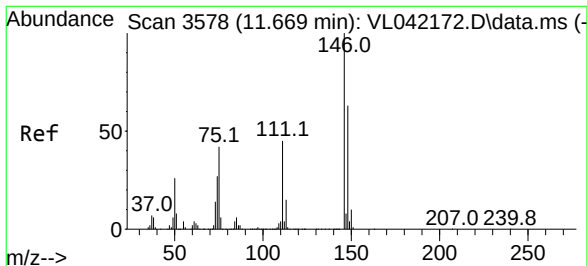
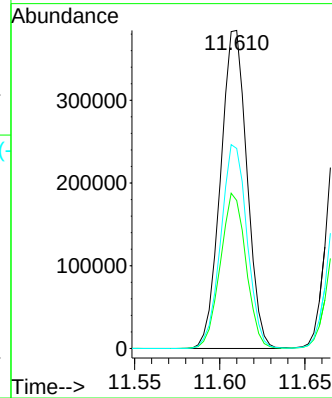
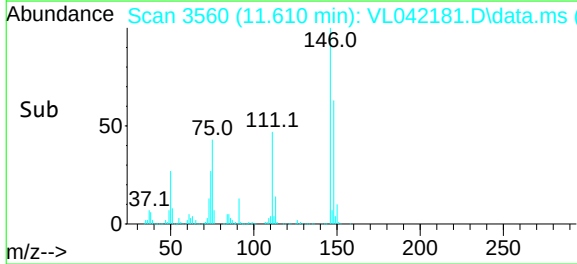
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01



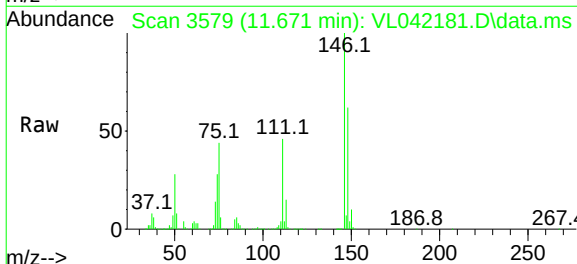
Tgt Ion:146 Resp: 415378
Ion Ratio Lower Upper
146 100
111 47.4 23.8 71.2
148 63.6 31.9 95.9

Manual Integrations
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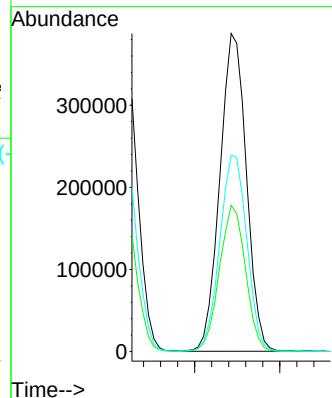
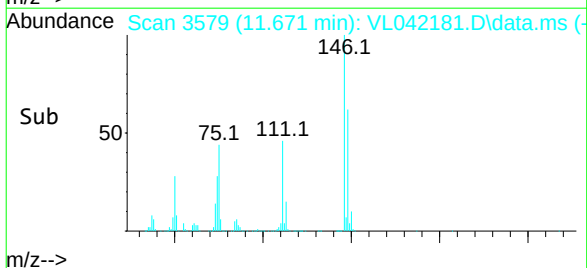
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

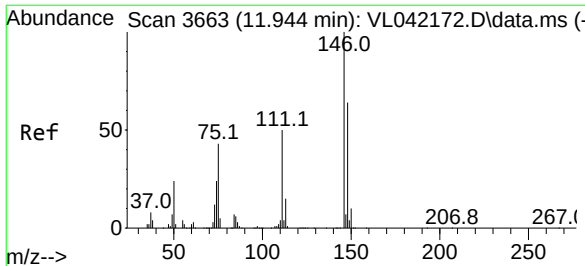


#76
1,4-Dichlorobenzene
Concen: 9.521 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39



Tgt Ion:146 Resp: 418670
Ion Ratio Lower Upper
146 100
111 45.4 23.0 69.0
148 63.4 31.9 95.7





#77

1,2-Dichlorobenzene

Concen: 9.336 ppbv

RT: 11.947 min Scan# 3663

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

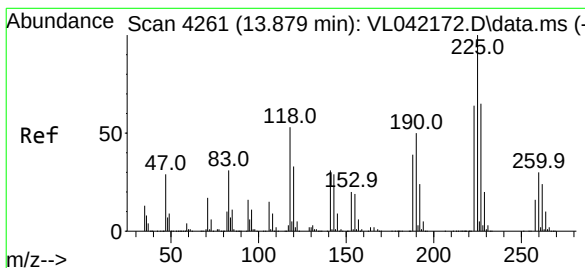
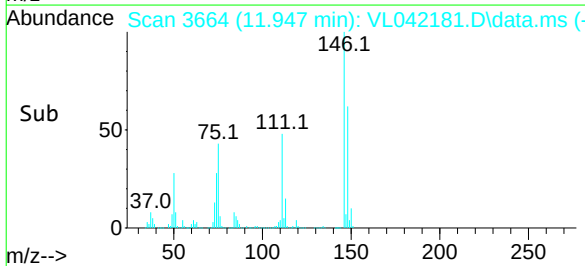
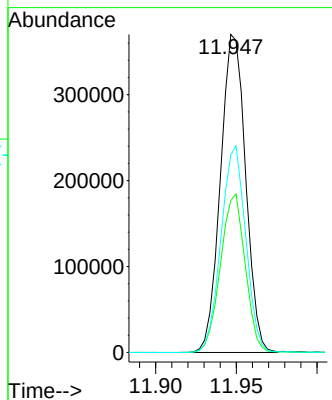
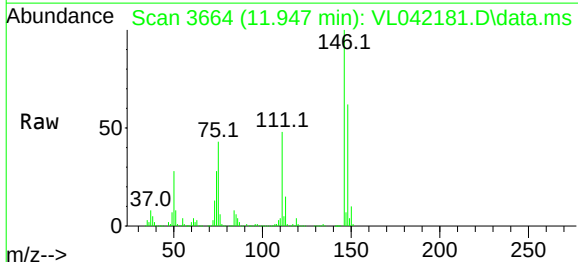
VL0327ABS01

Tgt Ion:	146	Resp:	401634
Ion Ratio	Lower	Upper	
146	100		
111	49.0	24.8	74.3
148	64.0	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#78

Hexachloro-1,3-Butadiene

Concen: 7.914 ppbv

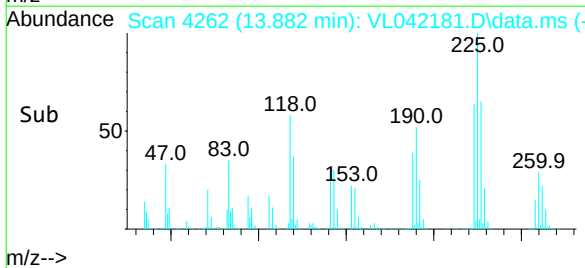
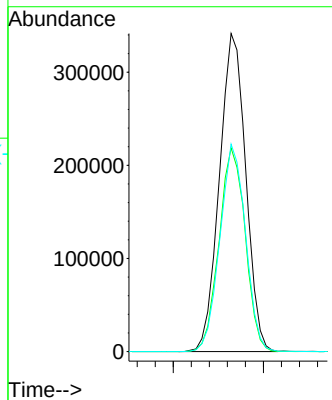
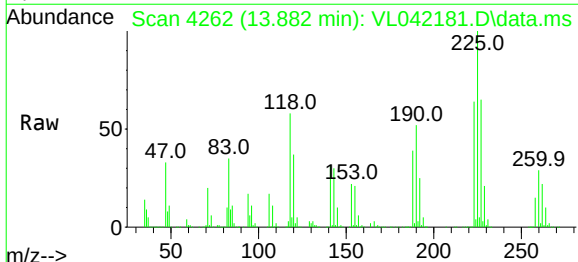
RT: 13.882 min Scan# 4262

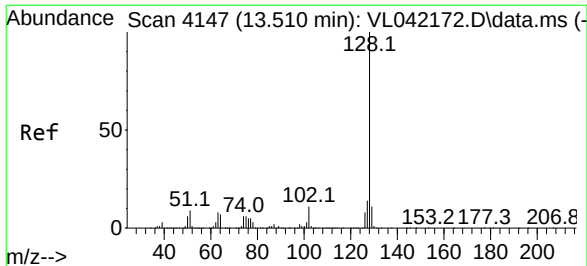
Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Tgt Ion:	225	Resp:	346566
Ion Ratio	Lower	Upper	
225	100		
223	63.5	50.6	76.0
227	63.5	51.2	76.8





#79

Naphthalene

Concen: 8.659 ppbv

RT: 13.513 min Scan# 4147

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

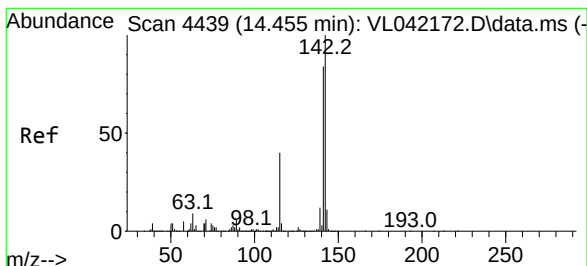
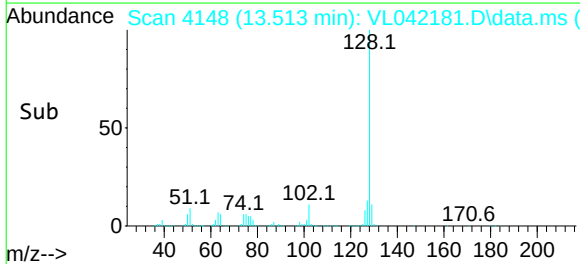
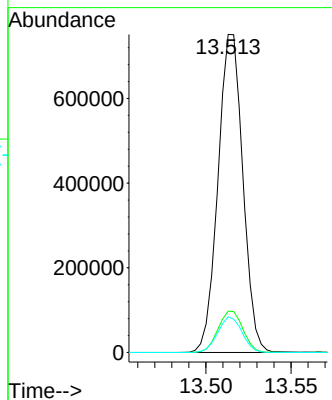
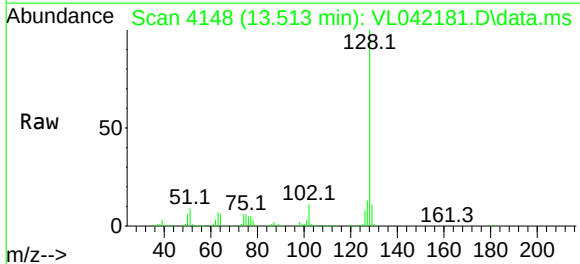
ClientSampleId :

VL0327ABS01

Tgt Ion:	128	Resp:	762976
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	11.2	9.0	13.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#80

Naphthalene, 2-methyl-

Concen: 7.134 ppbv

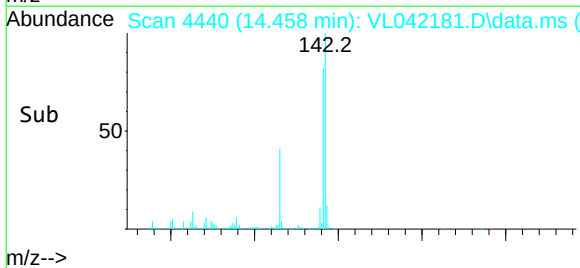
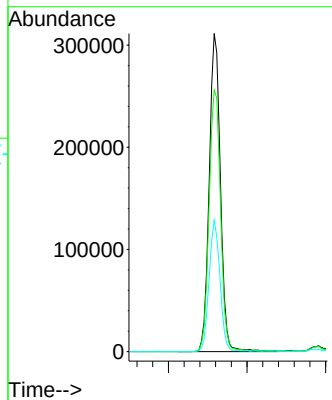
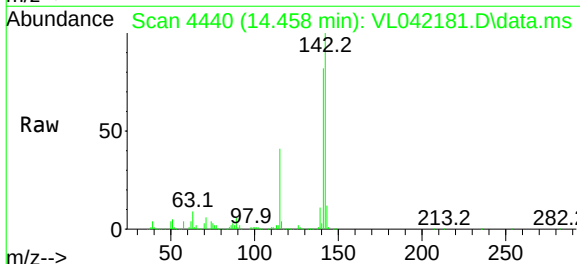
RT: 14.458 min Scan# 4440

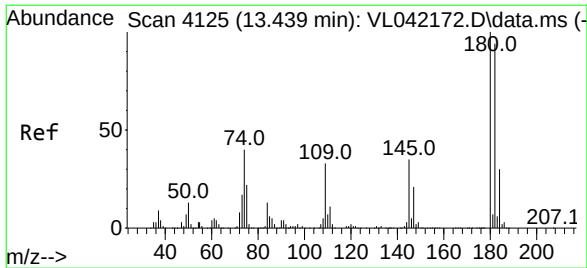
Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

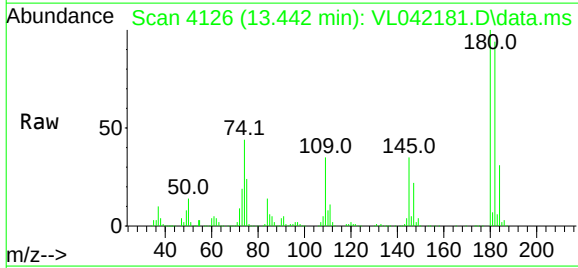
Tgt Ion:	142	Resp:	308264
Ion	Ratio	Lower	Upper
142	100		
141	84.9	66.3	99.5
115	40.7	31.6	47.4





#81
1,2,4-Trichlorobenzene
Concen: 8.764 ppbv
RT: 13.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01



Tgt Ion:180 Resp: 356193
Ion Ratio Lower Upper
180 100
182 95.1 75.1 112.7
184 29.8 24.4 36.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

