

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041912.D
 Acq On : 15 Jan 2025 02:23
 Operator : SY/MD
 Sample : MDL 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.1

Quant Time: Jan 15 04:26:06 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 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

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

Internal Standards						
1) Bromochloromethane	2.790	49	129810	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	371443	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	325848	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	255145	9.941	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	2292	0.130	ppbv #	88
3) Chlorodifluoromethane	1.476	51	2395	0.129	ppbv	95
4) Chloromethane	1.535	50	1091	0.164	ppbv #	72
5) Vinyl Chloride	1.583	62	873	0.130	ppbv #	74
6) Bromomethane	1.670	94	431m	0.134	ppbv	
7) Chloroethane	1.709	64	449	0.171	ppbv #	79
8) Dichlorotetrafluoroethane	1.557	85	1798	0.116	ppbv	89
9) Propene	1.486	41	1081m	0.142	ppbv	
10) Heptane	4.988	43	1940m	0.095	ppbv	
11) Trichlorofluoromethane	1.881	101	2420	0.132	ppbv	88
12) 1,1,2-Trichlorotrifluo...	2.143	101	1703	0.118	ppbv	85
14) Bromoethene	1.787	108	746	0.141	ppbv #	67
15) Acetone	1.839	43	2968	0.190	ppbv	95
16) 1,3-Butadiene	1.612	39	1118	0.160	ppbv #	81
17) tert-Butyl alcohol	2.049	59	2364	0.123	ppbv #	94
18) 1,1-Dichloroethene	2.036	96	841	0.129	ppbv #	54
19) Isopropyl Alcohol	1.894	45	1858	0.201	ppbv #	37
20) Methylene Chloride	2.065	84	1750	0.284	ppbv #	89
21) Allyl Chloride	2.101	41	1406	0.130	ppbv #	61
22) trans-1,2-Dichloroethene	2.347	96	1125m	0.153	ppbv	
24) 1,1-Dichloroethane	2.415	63	2134	0.150	ppbv #	91
25) Ethyl Acetate	2.845	43	4781m	0.114	ppbv	
26) Hexane	2.836	57	1649	0.099	ppbv #	3
27) Carbon Disulfide	2.153	76	1894	0.115	ppbv #	73
28) Methyl tert-Butyl Ether	2.447	73	1797	0.141	ppbv #	86
29) Chloroform	2.852	83	2997	0.114	ppbv	97
30) Cyclohexane	3.862	84	1245m	0.086	ppbv	
31) cis-1,2-Dichloroethene	2.729	61	1900	0.109	ppbv	89
32) 1,1,1-Trichloroethane	3.379	97	2567	0.102	ppbv	94
34) 2-Butanone	2.567	43	3017	0.128	ppbv	99
35) Carbon Tetrachloride	3.765	117	2845m	0.122	ppbv	
36) Benzene	3.664	78	3602m	0.106	ppbv	
37) 1,2-Dichloroethane	3.227	62	2651m	0.139	ppbv	
38) Trichloroethene	4.551	130	1292m	0.096	ppbv	
39) 1,2-Dichloropropane	4.328	63	1279m	0.107	ppbv	
40) 1,4-Dioxane	4.622	88	692m	0.115	ppbv	
41) Tetrahydrofuran	3.082	42	1615m	0.126	ppbv	
42) Bromodichloromethane	4.493	83	2893m	0.113	ppbv	
43) Methyl Methacrylate	4.904	69	881m	0.070	ppbv	
44) 2,2,4-Trimethylpentane	4.648	57	5371m	0.097	ppbv	
45) t-1,3-Dichloropropene	6.428	75	959m	0.081	ppbv	
46) cis-1,3-Dichloropropene	5.622	75	1410m	0.091	ppbv	
47) 1,1,2-Trichloroethane	6.600	97	1477m	0.117	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 04:26:06 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)
48) Dibromochloromethane	7.393	129	1942m	0.099	ppbv	
49) Bromoform	9.490	173	1445	0.090	ppbv	93
50) 4-Methyl-2-Pentanone	5.781	43	2806m	0.087	ppbv	
51) 2-Hexanone	7.461	43	2057m	0.083	ppbv	
52) Tetrachloroethene	8.231	164	1389m	0.118	ppbv	
53) Toluene	6.940	91	3415m	0.092	ppbv	
54) 1,2-Dibromoethane	7.658	107	1810m	0.104	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.927	131	1651m	0.102	ppbv	
57) Chlorobenzene	8.930	112	3290	0.109	ppbv #	77
58) Ethyl Benzene	9.364	91	4284m	0.084	ppbv	
59) m/p-Xylene	9.539	91	6737m	0.165	ppbv	
60) o-Xylene	9.969	91	2766	0.068	ppbv	83
61) Styrene	9.875	104	1324m	0.073	ppbv	
62) Isopropylbenzene	10.542	105	5312	0.085	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.969	83	3000m	0.116	ppbv	
64) n-propylbenzene	10.995	120	1147	0.072	ppbv	86
65) tert-Butylbenzene	11.533	119	3524	0.062	ppbv	93
67) sec-Butylbenzene	11.772	105	5636	0.072	ppbv	95
69) p-Isopropyltoluene	11.927	119	3943	0.061	ppbv	94
70) n-Butylbenzene	12.283	91	4359	0.068	ppbv	92
71) 2-Chlorotoluene	10.905	91	3670	0.079	ppbv	98
72) 4-Ethyltoluene	11.128	105	3541	0.073	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.212	105	3195	0.075	ppbv #	74
74) 1,2,4-Trimethylbenzene	11.542	105	3328	0.072	ppbv #	86
75) 1,3-Dichlorobenzene	11.610	146	2742	0.100	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	2453	0.091	ppbv	89
77) 1,2-Dichlorobenzene	11.957	146	2794	0.103	ppbv	96
78) Hexachloro-1,3-Butadiene	13.889	225	2259	0.101	ppbv #	88
79) Naphthalene	13.520	128	3062	0.066	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	875	0.040	ppbv #	91
81) 1,2,4-Trichlorobenzene	13.445	180	2042	0.090	ppbv	89

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

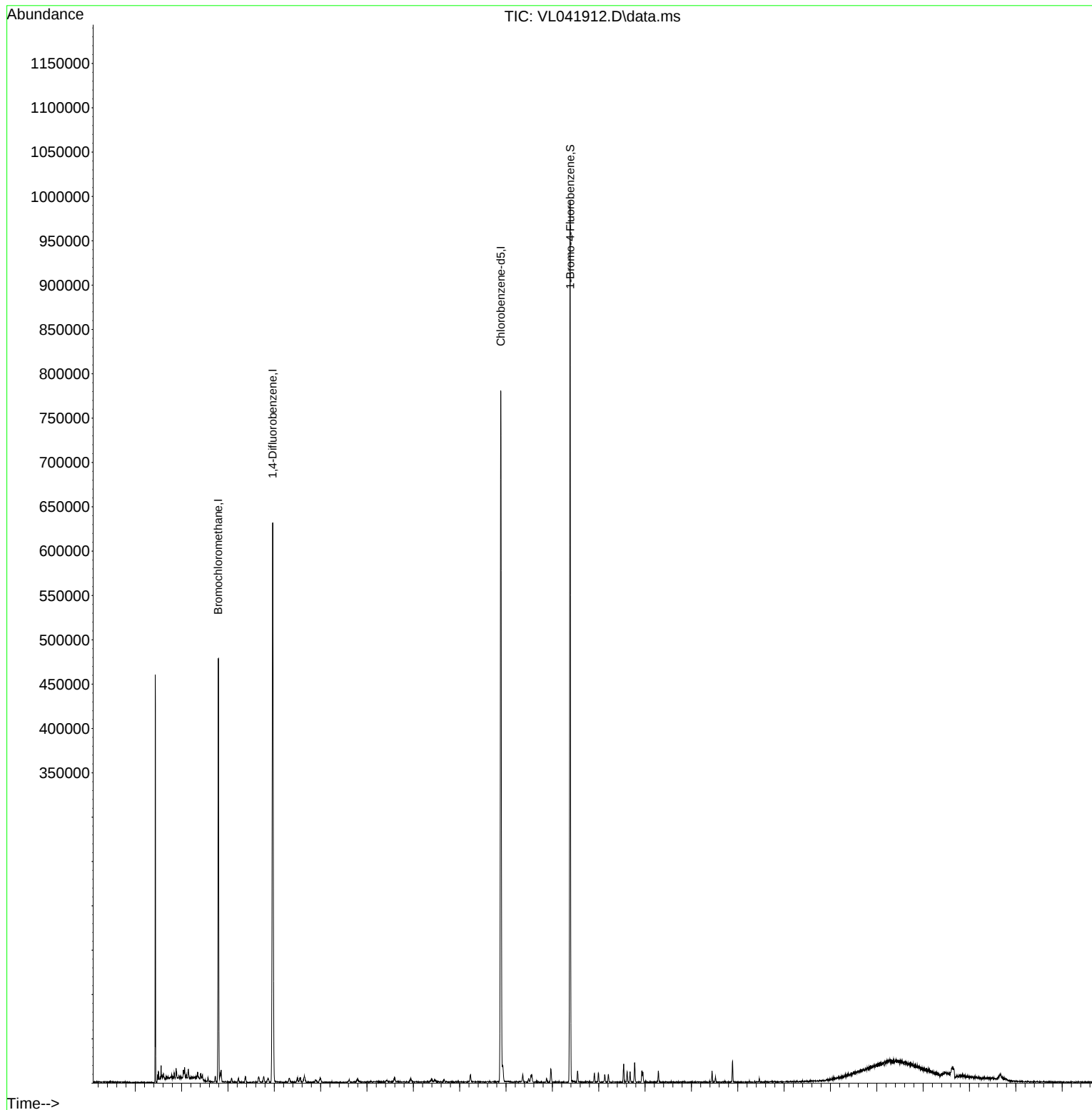
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041912.D
Acq On : 15 Jan 2025 02:23
Operator : SY/MD
Sample : MDL 0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

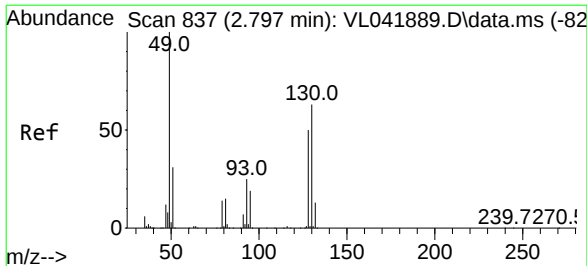
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1

Quant Time: Jan 15 04:26:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 14 23:15:42 2025
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Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 01/15/2025
Supervised By : Mahesh Dadoda 01/15/2025





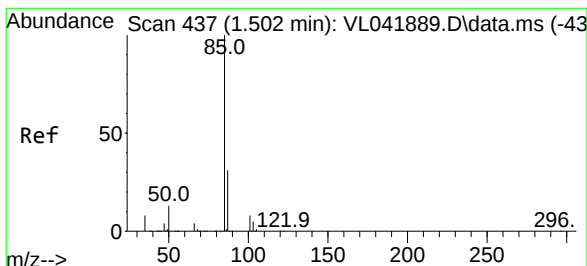
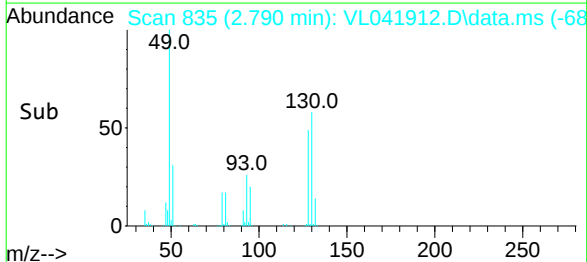
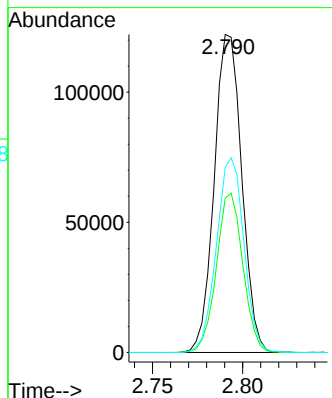
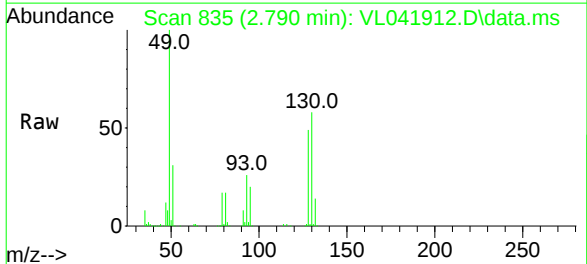
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 837
Delta R.T. -0.007 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1

Tgt Ion: 49 Resp: 129810
Ion Ratio Lower Upper
49 100
128 48.3 24.3 73.0
130 61.2 31.1 93.2

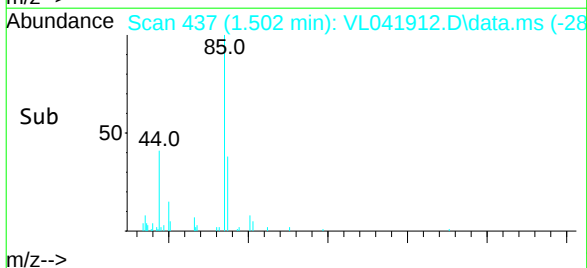
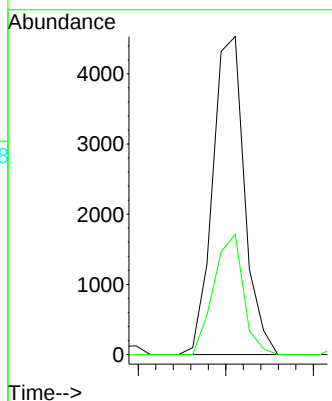
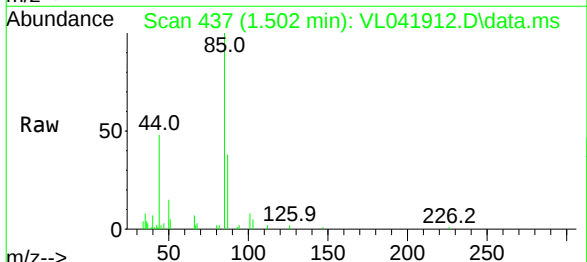
Manual Integrations
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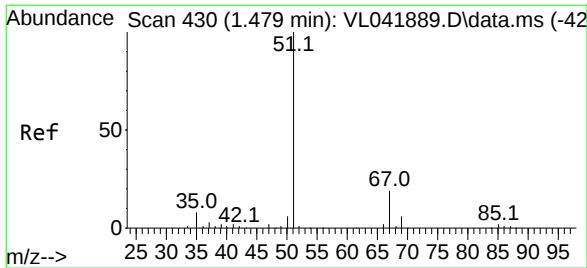
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#2
Dichlorodifluoromethane
Concen: 0.130 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

Tgt Ion: 85 Resp: 2292
Ion Ratio Lower Upper
85 100
87 37.8 24.9 37.3#





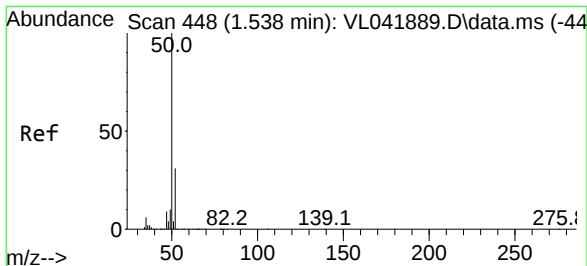
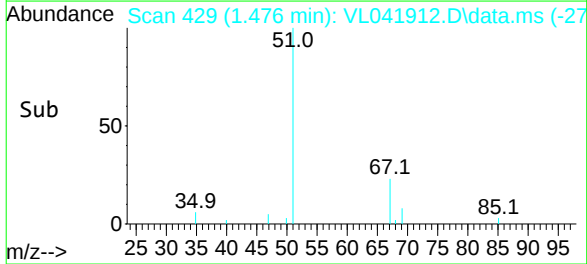
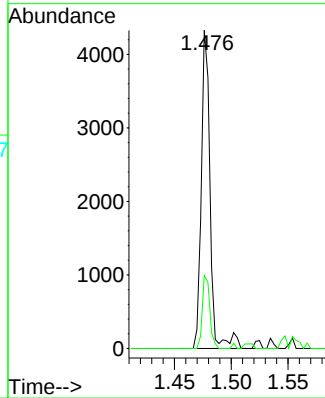
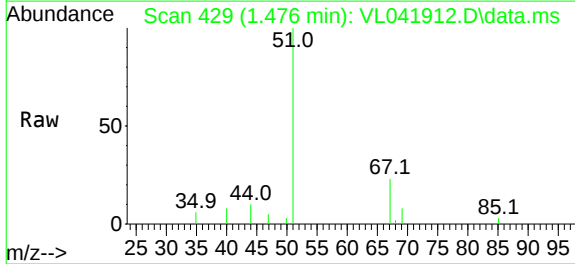
#3
Chlorodifluoromethane
Concen: 0.129 ppbv
RT: 1.476 min Scan# 42
Delta R.T. -0.003 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1

Tgt Ion: 51 Resp: 2395
Ion Ratio Lower Upper
51 100
67 21.0 15.0 22.4

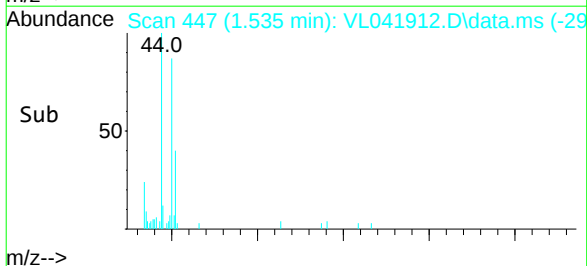
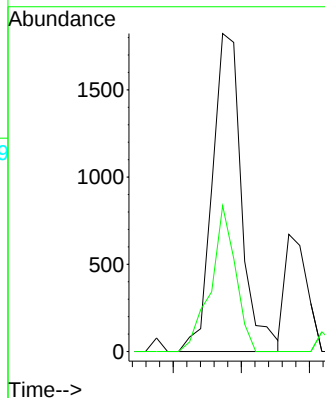
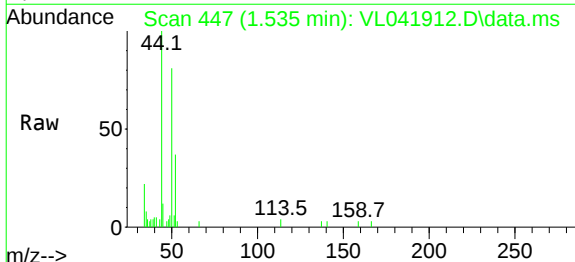
Manual Integrations
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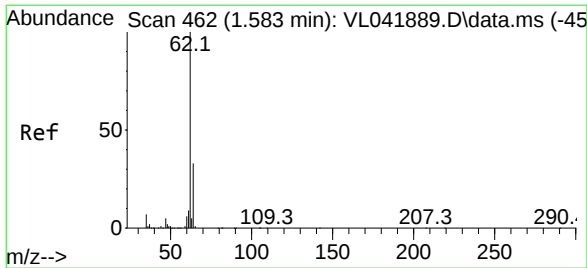
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#4
Chloromethane
Concen: 0.164 ppbv
RT: 1.535 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

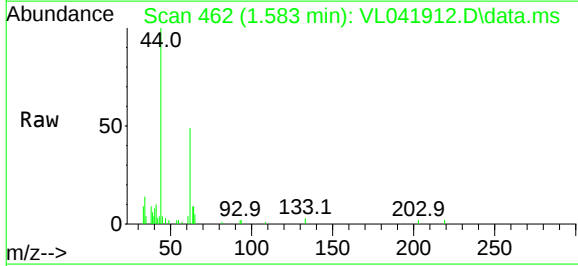
Tgt Ion: 50 Resp: 1091
Ion Ratio Lower Upper
50 100
52 45.9 24.6 36.8#





#5
 Vinyl Chloride
 Concen: 0.130 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL041912.D
 Acq: 15 Jan 2025 02:23

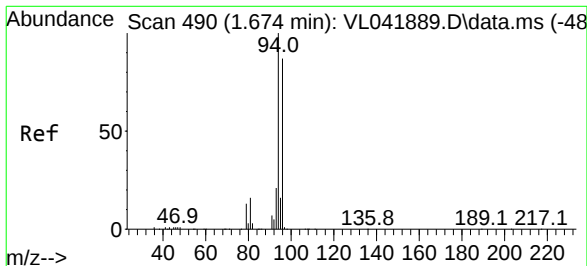
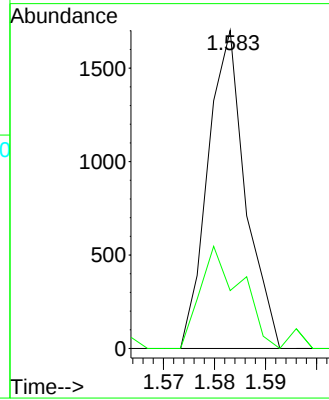
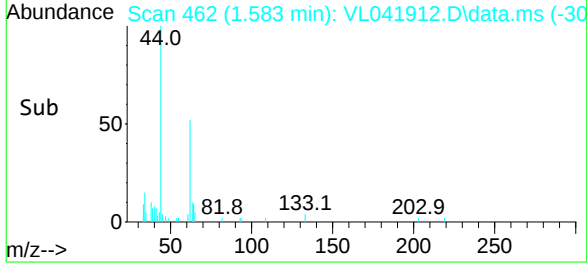
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.1



Tgt Ion: 62 Resp: 873
 Ion Ratio Lower Upper
 62 100
 64 18.2 26.1 39.1#

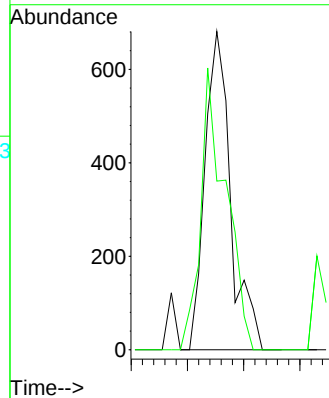
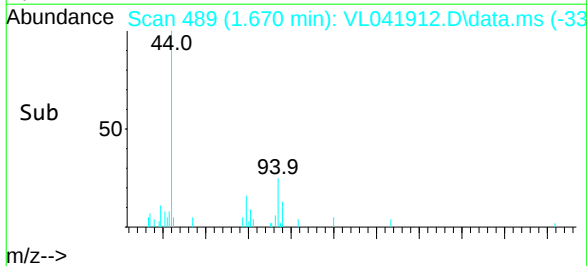
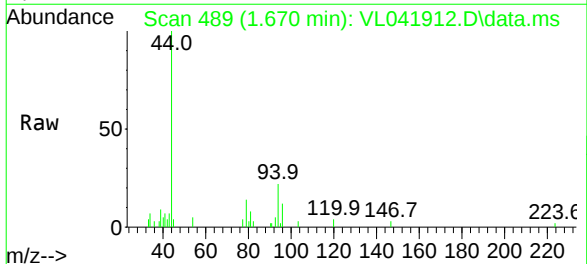
Manual Integrations
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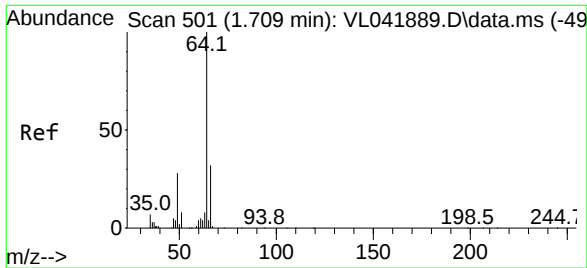
Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025



#6
 Bromomethane
 Concen: 0.134 ppbv m
 RT: 1.670 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL041912.D
 Acq: 15 Jan 2025 02:23

Tgt Ion: 94 Resp: 431
 Ion Ratio Lower Upper
 94 100
 96 53.0 69.5 104.3#





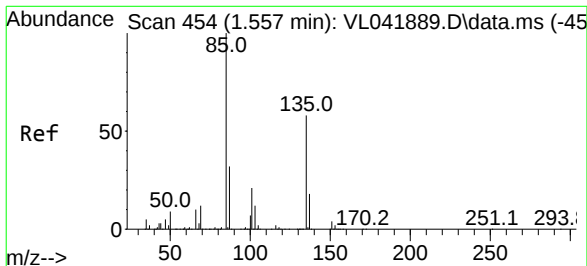
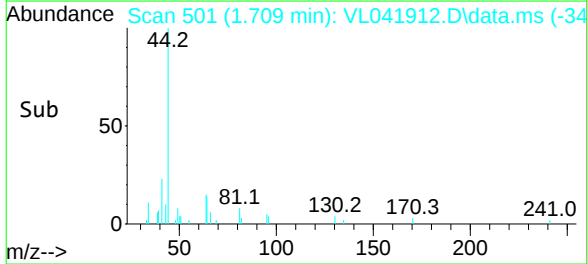
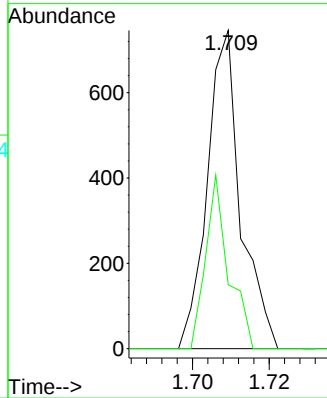
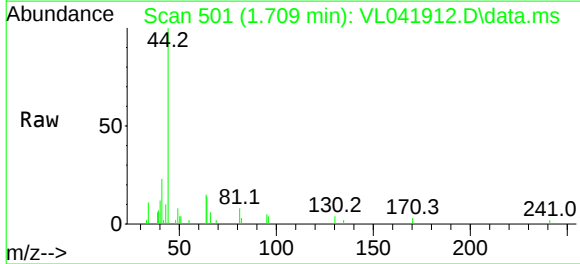
#7
Chloroethane
Concen: 0.171 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1

Tgt Ion: 64 Resp: 449
Ion Ratio Lower Upper
64 100
66 20.1 25.7 38.5

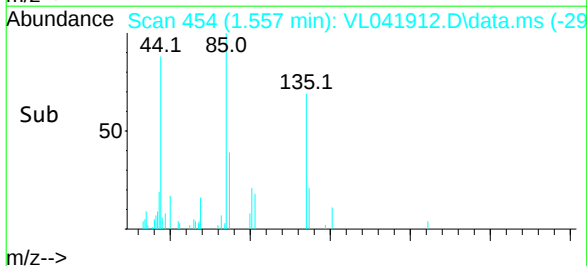
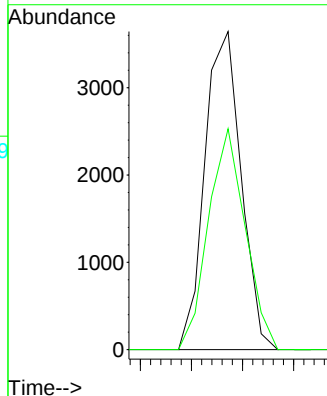
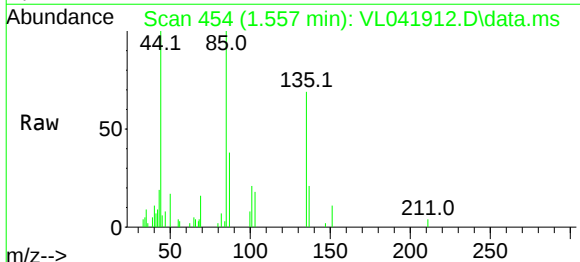
Manual Integrations
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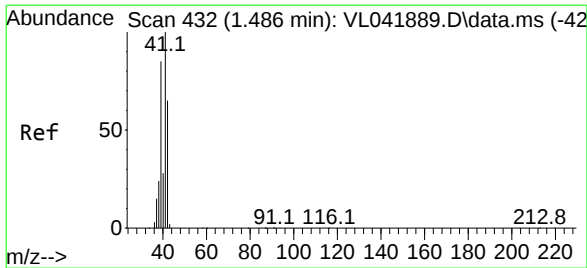
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#8
Dichlorotetrafluoroethane
Concen: 0.116 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

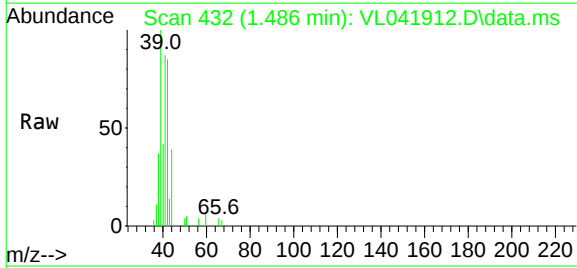
Tgt Ion: 85 Resp: 1798
Ion Ratio Lower Upper
85 100
135 70.9 50.0 75.0





#9
 Propene
 Concen: 0.142 ppbv m
 RT: 1.486 min Scan# 43
 Delta R.T. 0.000 min
 Lab File: VL041912.D
 Acq: 15 Jan 2025 02:23

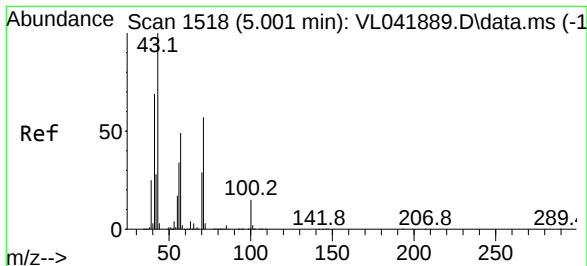
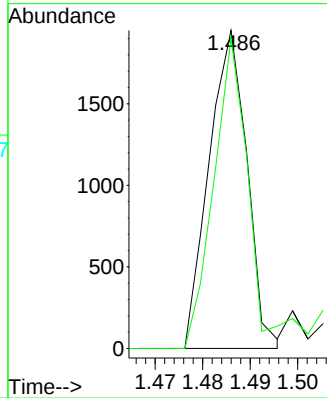
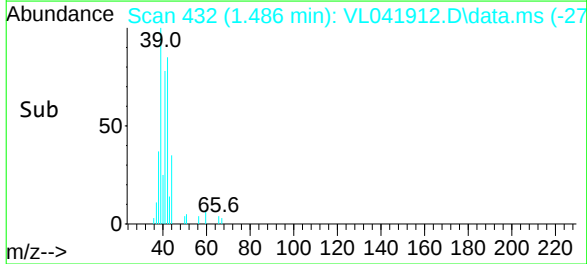
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.1



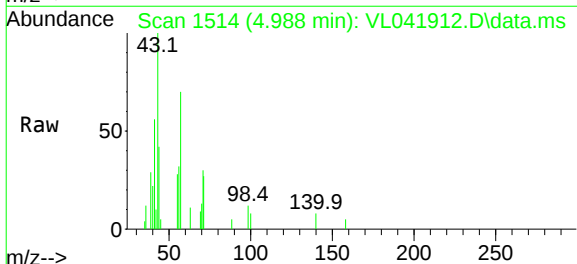
Tgt Ion: 41 Resp: 1081
 Ion Ratio Lower Upper
 41 100
 42 35.6 52.0 78.0#

Manual Integrations
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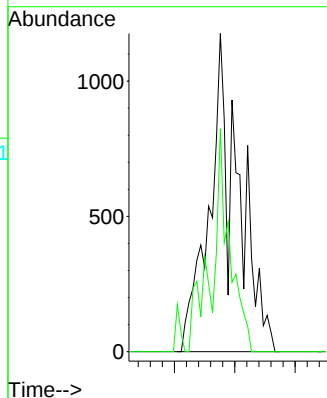
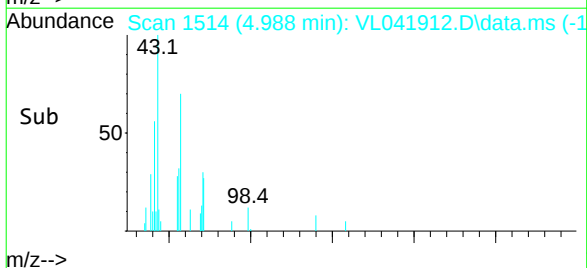
Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025

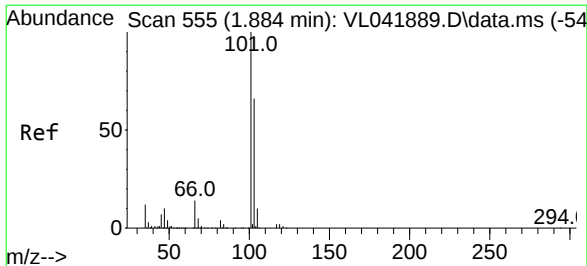


#10
 Heptane
 Concen: 0.095 ppbv m
 RT: 4.988 min Scan# 1514
 Delta R.T. -0.013 min
 Lab File: VL041912.D
 Acq: 15 Jan 2025 02:23



Tgt Ion: 43 Resp: 1940
 Ion Ratio Lower Upper
 43 100
 57 46.7 41.0 61.4





#11

Trichlorofluoromethane

Concen: 0.132 ppbv

RT: 1.881 min Scan# 555

Delta R.T. -0.003 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Instrument :

MSVOA_L

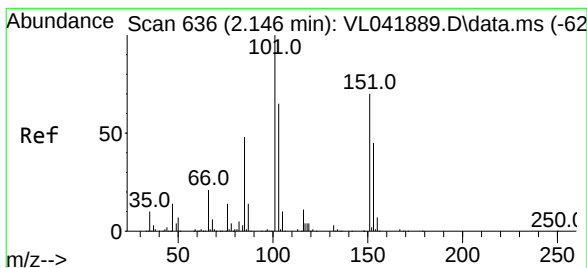
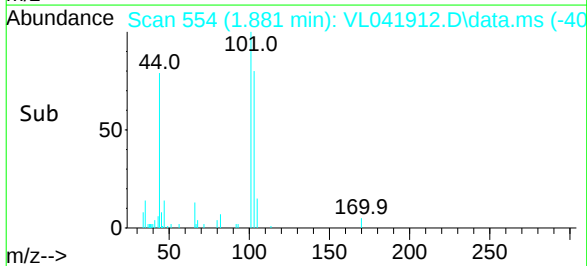
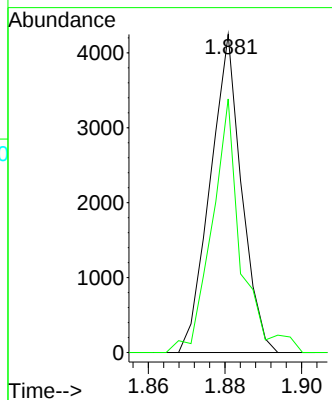
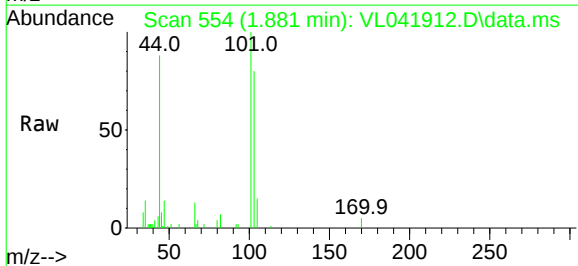
ClientSampleId :

MDL 0.1

Tgt Ion:101 Resp: 2420
 Ion Ratio Lower Upper
 101 100
 103 76.0 53.1 79.7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.118 ppbv

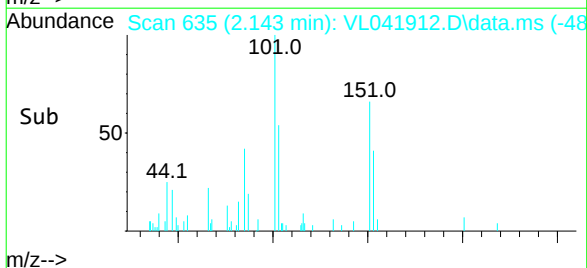
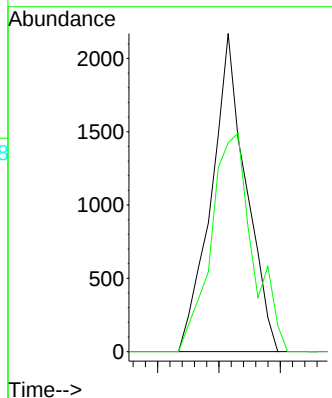
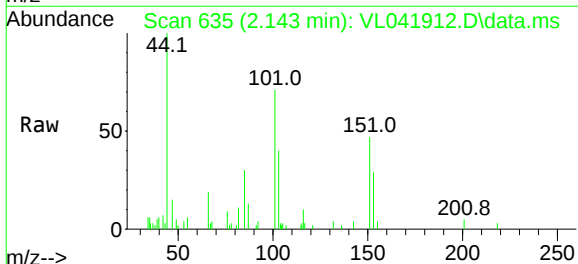
RT: 2.143 min Scan# 635

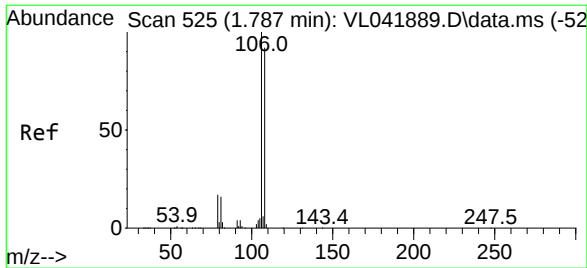
Delta R.T. -0.003 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Tgt Ion:101 Resp: 1703
 Ion Ratio Lower Upper
 101 100
 151 82.4 56.1 84.1





#14

Bromoethene

Concen: 0.141 ppbv

RT: 1.787 min Scan# 525

Delta R.T. 0.000 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Instrument :

MSVOA_L

ClientSampleId :

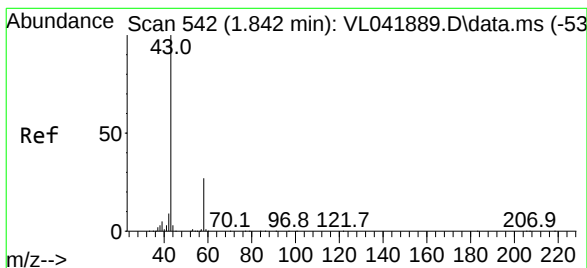
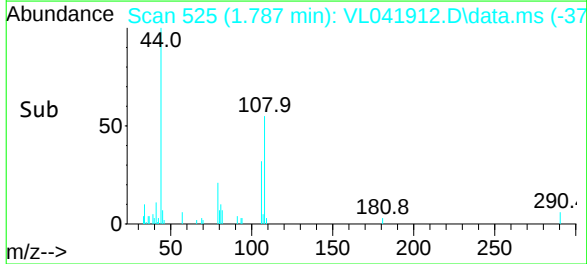
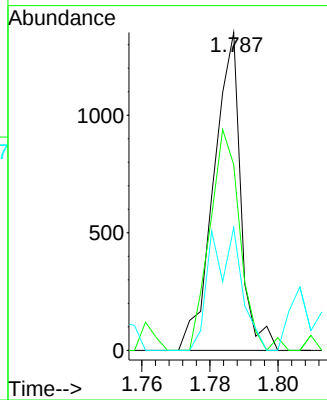
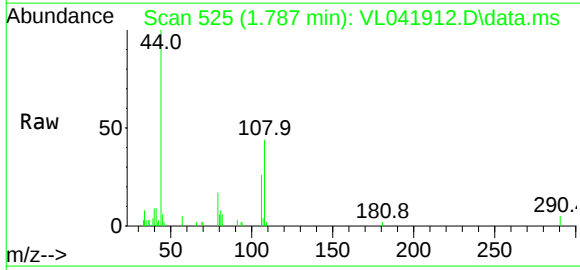
MDL 0.1

Tgt Ion:	108	Resp:	746
Ion	Ratio	Lower	Upper
108	100		
106	84.9	85.5	128.3
79	63.5	15.3	22.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#15

Acetone

Concen: 0.190 ppbv

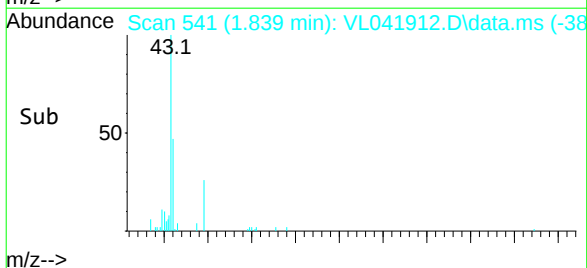
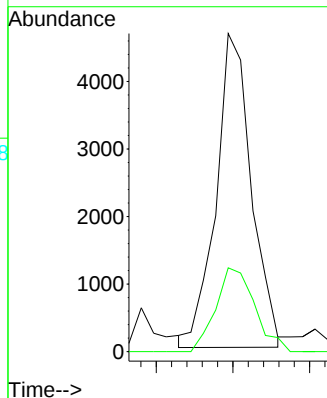
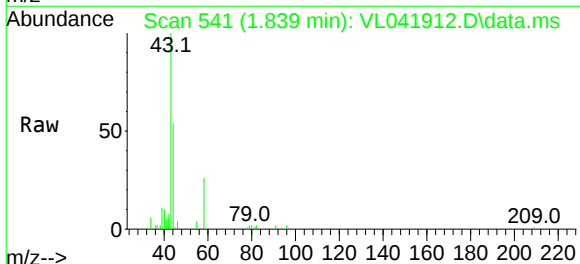
RT: 1.839 min Scan# 541

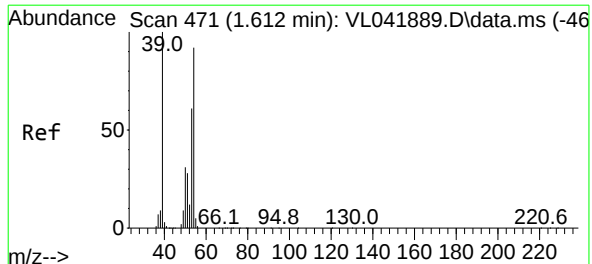
Delta R.T. -0.003 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Tgt Ion:	43	Resp:	2968
Ion	Ratio	Lower	Upper
43	100		
58	30.3	21.9	32.9





#16

1,3-Butadiene

Concen: 0.160 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.000 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.1

Tgt Ion: 39 Resp: 1118

Ion Ratio Lower Upper

39 100

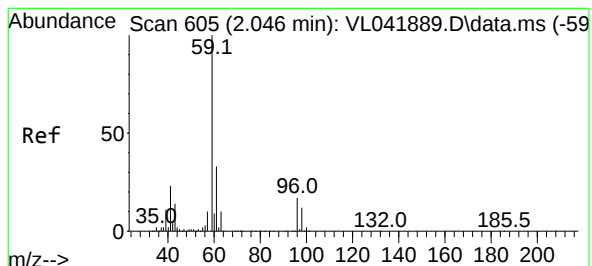
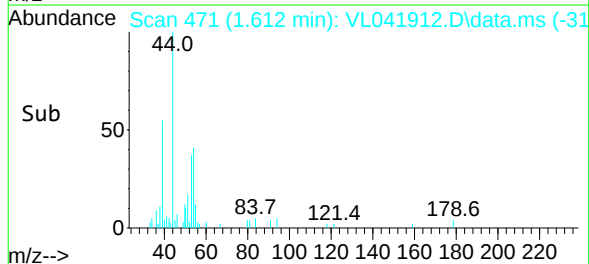
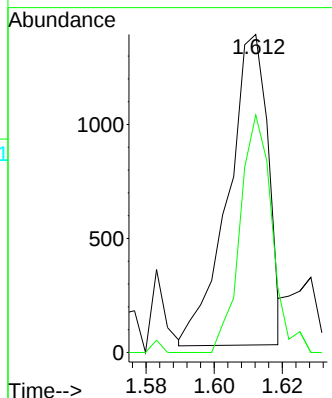
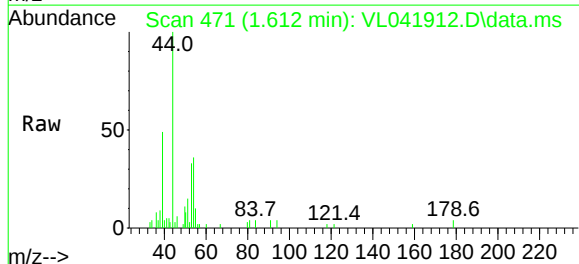
54 60.6 61.6 92.4#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#17

tert-Butyl alcohol

Concen: 0.123 ppbv

RT: 2.049 min Scan# 606

Delta R.T. 0.003 min

Lab File: VL041912.D

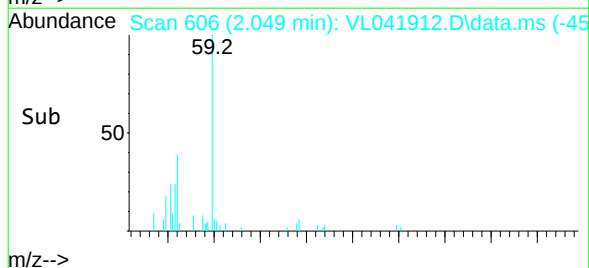
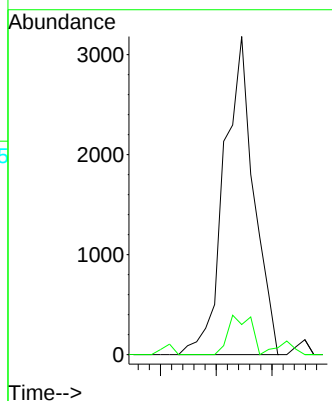
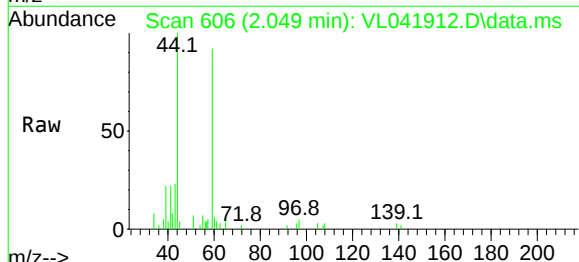
Acq: 15 Jan 2025 02:23

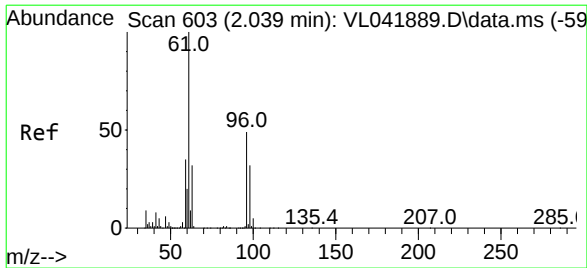
Tgt Ion: 59 Resp: 2364

Ion Ratio Lower Upper

59 100

57 12.1 7.8 11.8#





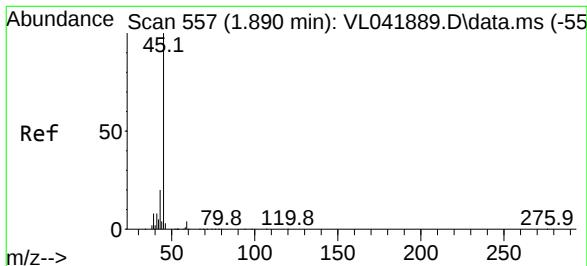
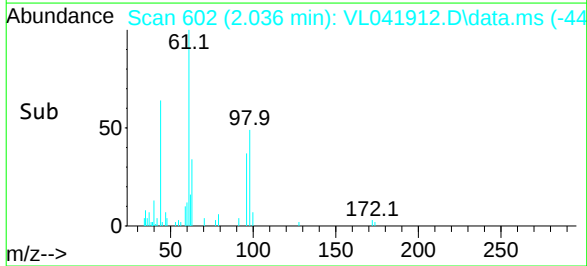
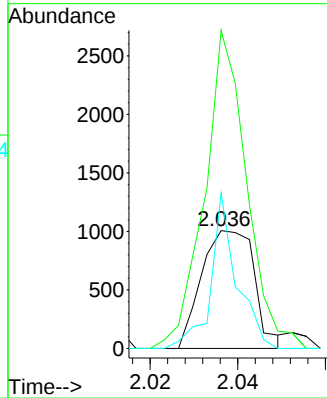
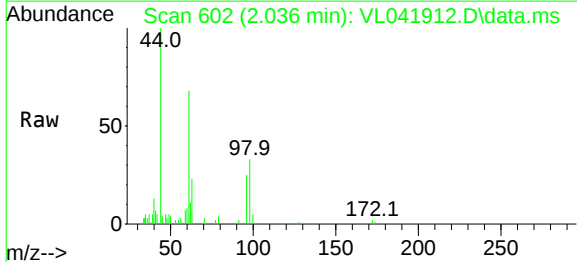
#18
1,1-Dichloroethene
Concen: 0.129 ppbv
RT: 2.036 min Scan# 603
Delta R.T. -0.003 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1

Tgt Ion: 96 Resp: 841
Ion Ratio Lower Upper
96 100
61 255.2 163.1 244.7#
98 131.8 52.7 79.1#

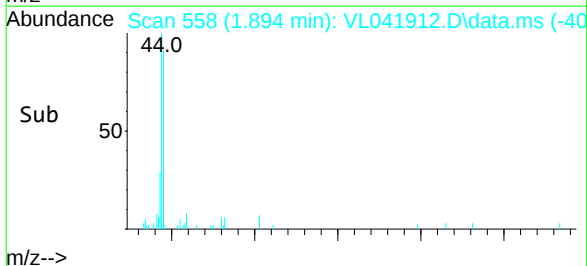
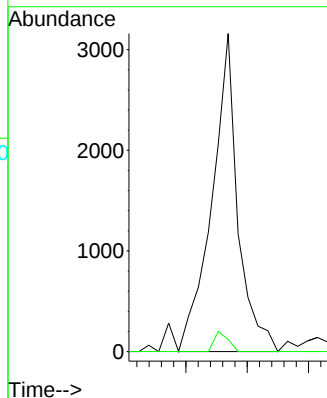
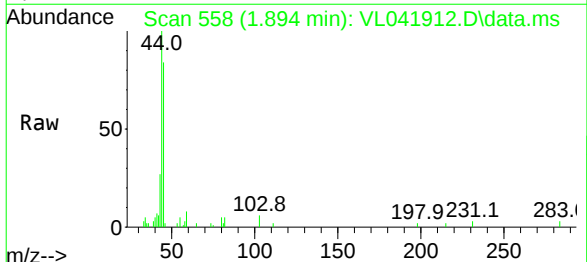
Manual Integrations
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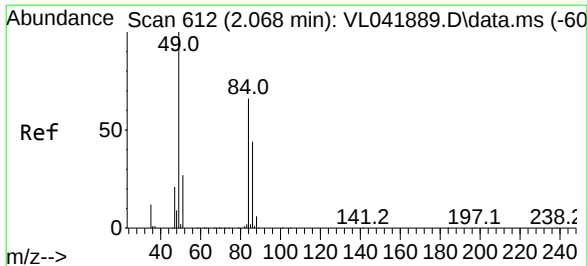
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#19
Isopropyl Alcohol
Concen: 0.201 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.003 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

Tgt Ion: 45 Resp: 1858
Ion Ratio Lower Upper
45 100
58 3.3 35.0 52.6#





#20

Methylene Chloride

Concen: 0.284 ppbv

RT: 2.065 min Scan# 611

Delta R.T. -0.003 min

Lab File: VL041912.D

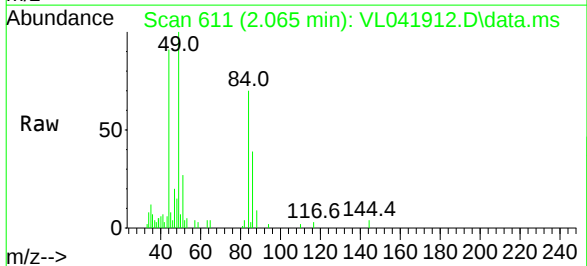
Acq: 15 Jan 2025 02:23

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.1

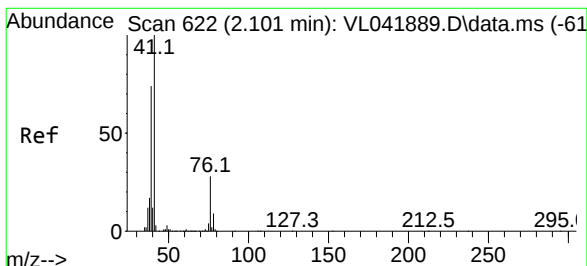
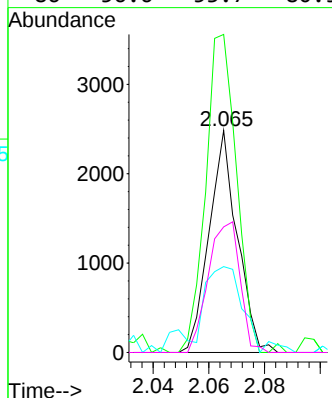
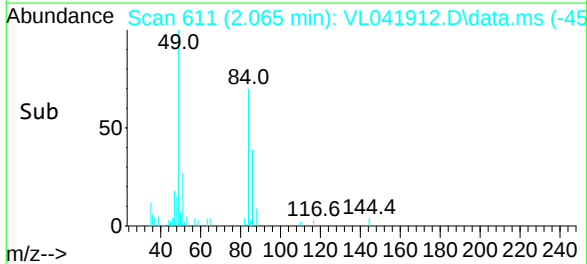


Tgt Ion:	84	Resp:	1750
Ion	Ratio	Lower	Upper
84	100		
49	143.3	123.1	184.7
51	35.4	35.8	53.8
86	56.6	53.7	80.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#21

Allyl Chloride

Concen: 0.130 ppbv

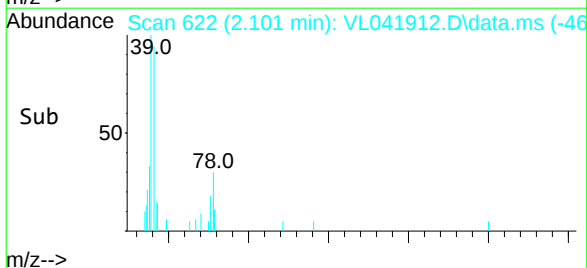
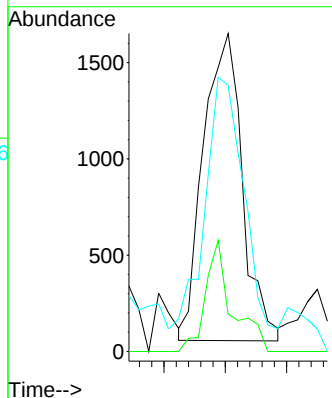
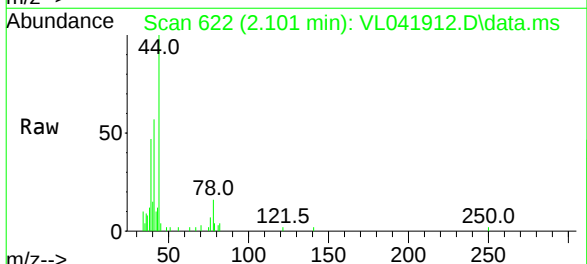
RT: 2.101 min Scan# 622

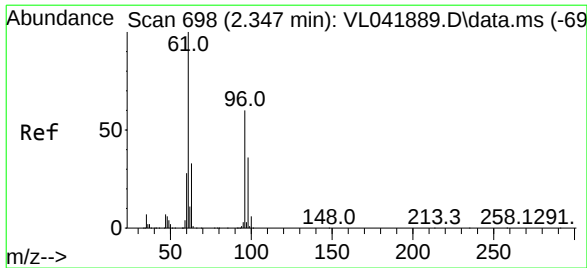
Delta R.T. 0.000 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

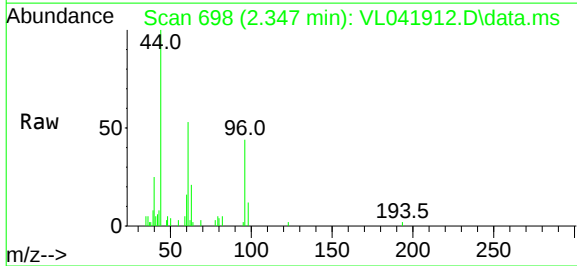
Tgt Ion:	41	Resp:	1406
Ion	Ratio	Lower	Upper
41	100		
76	24.6	24.2	36.4
39	119.0	60.6	91.0





#22
trans-1,2-Dichloroethene
Concen: 0.153 ppbv m
RT: 2.347 min Scan# 69
Delta R.T. 0.000 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

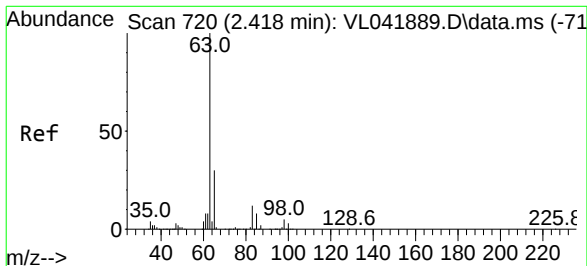
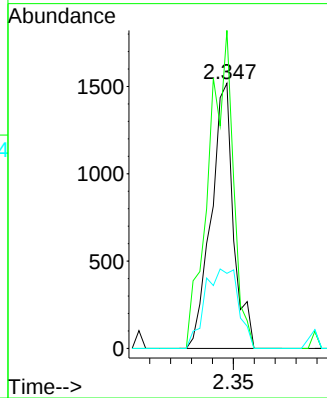
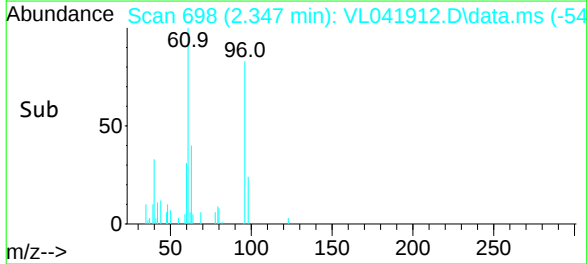
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1



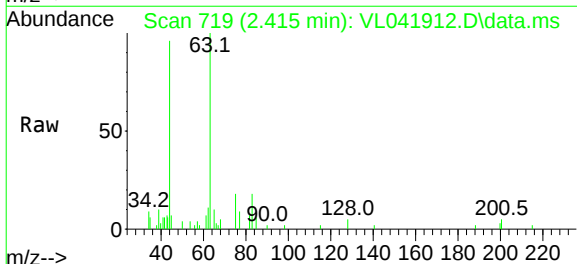
Tgt Ion: 96 Resp: 1125
Ion Ratio Lower Upper
96 100
61 120.0 134.5 201.7#
98 28.3 48.9 73.3#

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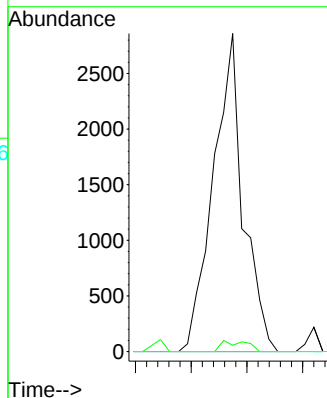
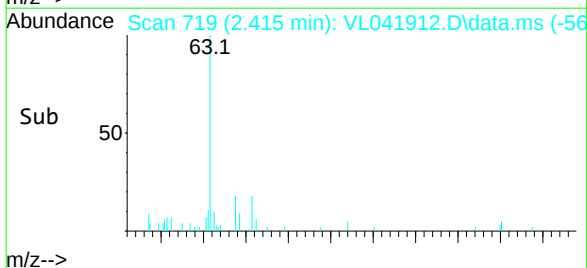
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



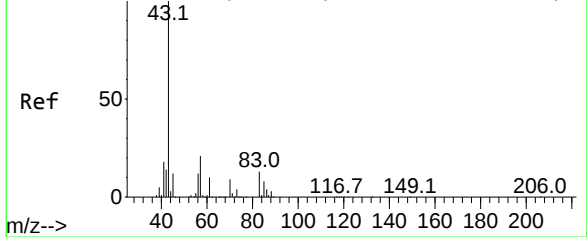
#24
1,1-Dichloroethane
Concen: 0.150 ppbv
RT: 2.415 min Scan# 719
Delta R.T. -0.003 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23



Tgt Ion: 63 Resp: 2134
Ion Ratio Lower Upper
63 100
98 2.0 2.6 7.8#
100 0.0 1.4 4.2#



Abundance Scan 852 (2.845 min): VL041889.D\data.ms (-83



#25

Ethyl Acetate

Concen: 0.114 ppbv m

RT: 2.845 min Scan# 852

Delta R.T. 0.000 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.1

Tgt Ion: 43 Resp: 4781

Ion Ratio Lower Upper

43 100

45 10.0 8.2 12.2

61 12.5 7.4 11.0#

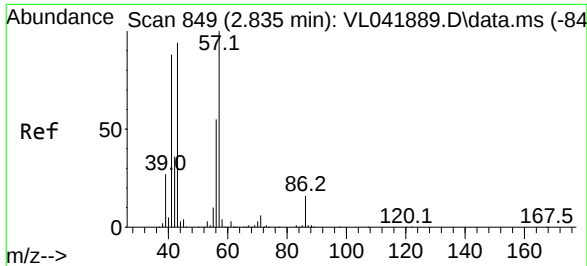
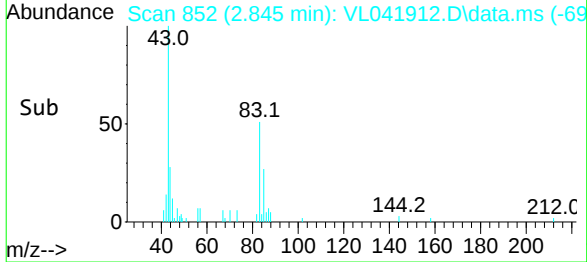
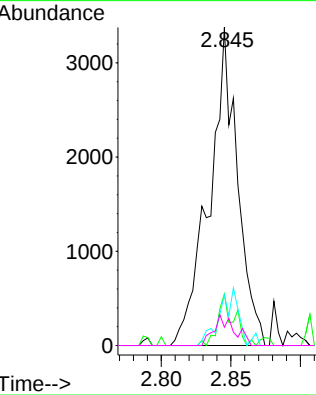
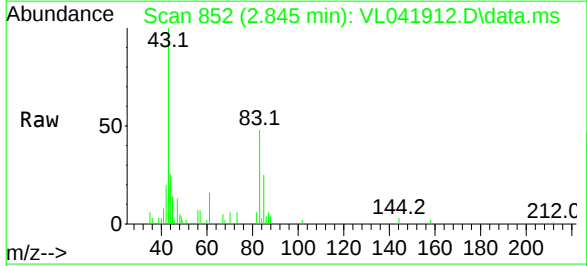
70 6.9 7.0 10.4#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#26

Hexane

Concen: 0.099 ppbv

RT: 2.836 min Scan# 849

Delta R.T. 0.000 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Tgt Ion: 57 Resp: 1649

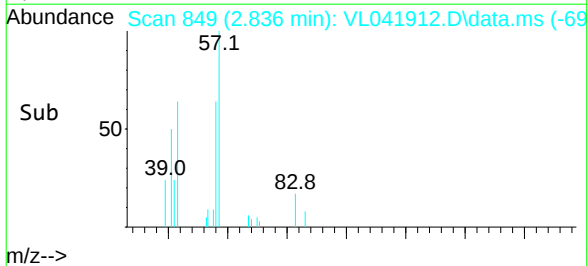
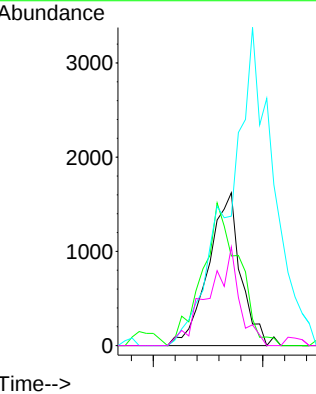
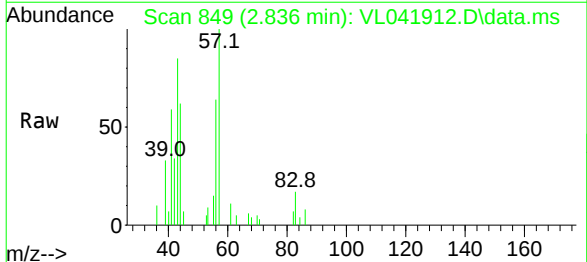
Ion Ratio Lower Upper

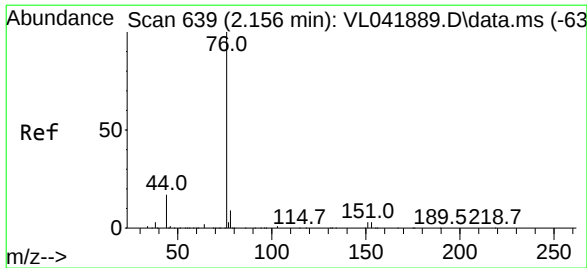
57 100

41 112.7 73.8 110.8#

43 0.0 197.3 295.9#

56 65.6 42.7 64.1#





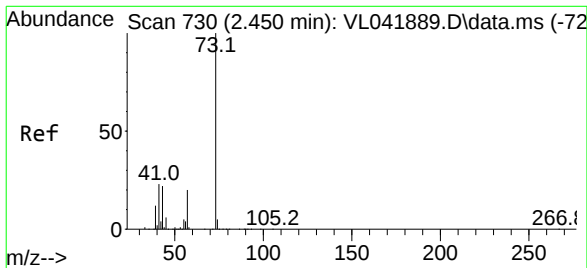
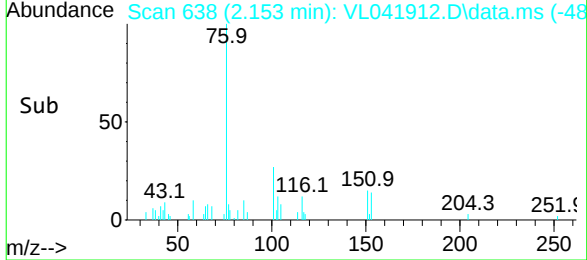
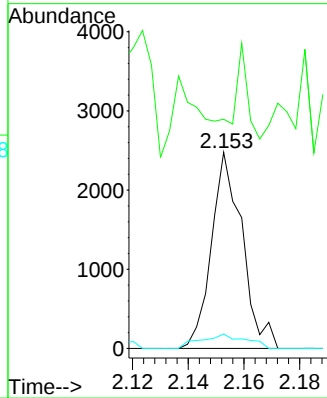
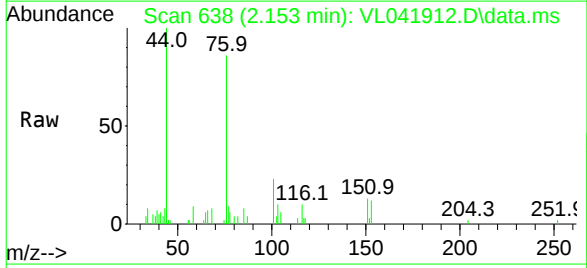
#27
Carbon Disulfide
Concen: 0.115 ppbv
RT: 2.153 min Scan# 639
Delta R.T. -0.003 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

Instrument : MSVOA_L
ClientSampleId : MDL 0.1

Tgt Ion	Ratio	Lower	Upper
76	100		
44	0.0	15.4	23.0
78	10.7	9.3	13.9

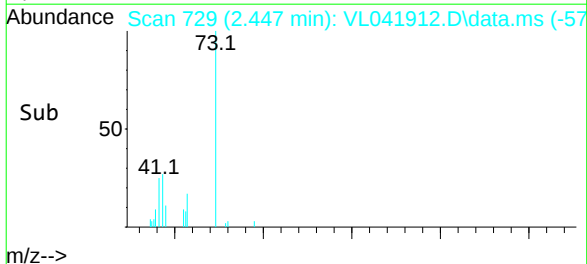
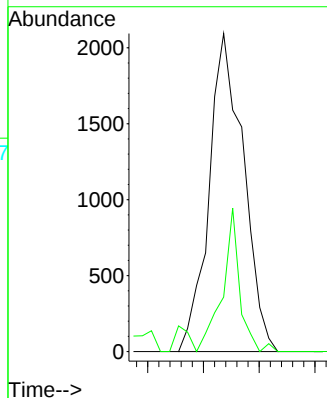
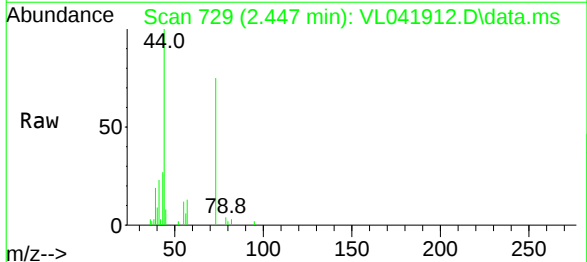
Manual Integrations
APPROVED

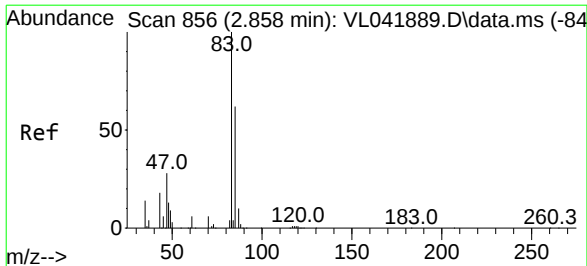
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#28
Methyl tert-Butyl Ether
Concen: 0.141 ppbv
RT: 2.447 min Scan# 729
Delta R.T. -0.003 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

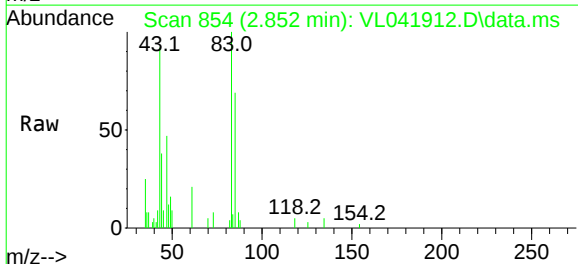
Tgt Ion	Ratio	Lower	Upper
73	100		
57	29.5	18.1	27.1





#29
Chloroform
Concen: 0.114 ppbv
RT: 2.852 min Scan# 85
Delta R.T. -0.006 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

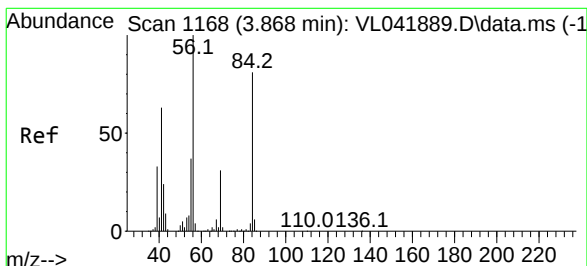
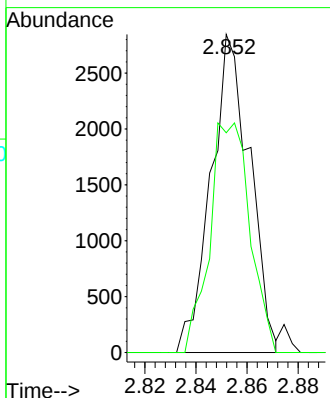
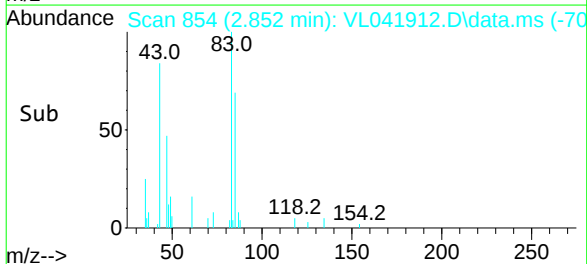
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1



Tgt Ion: 83 Resp: 2997
Ion Ratio Lower Upper
83 100
85 64.6 50.1 75.1

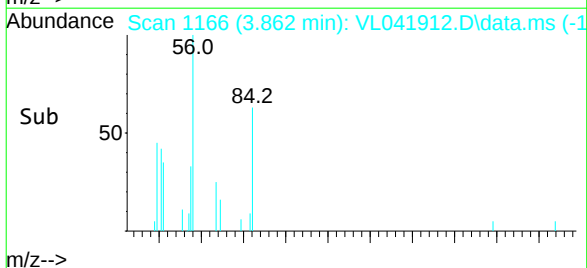
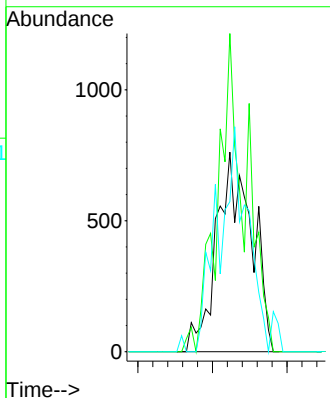
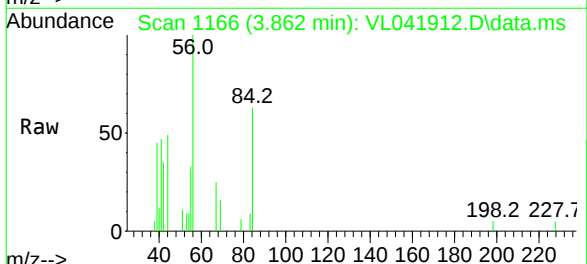
Manual Integrations
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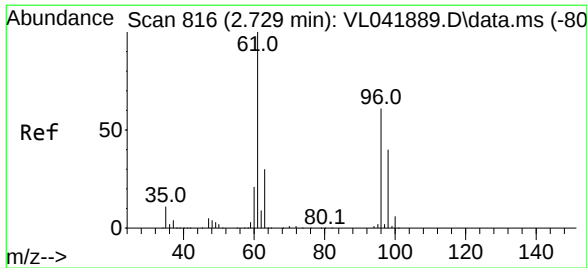
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#30
Cyclohexane
Concen: 0.086 ppbv m
RT: 3.862 min Scan# 1166
Delta R.T. -0.006 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

Tgt Ion: 84 Resp: 1245
Ion Ratio Lower Upper
84 100
56 127.2 99.3 148.9
41 0.0 64.3 96.5#





#31

cis-1,2-Dichloroethene

Concen: 0.109 ppbv

RT: 2.729 min Scan# 816

Delta R.T. 0.000 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Instrument :

MSVOA_L

ClientSampleId :

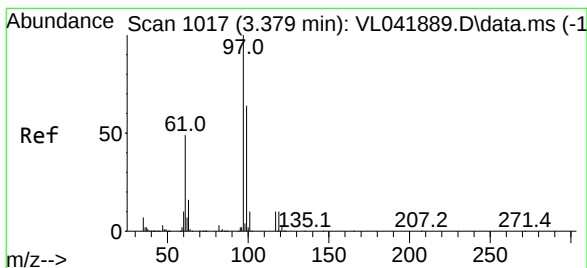
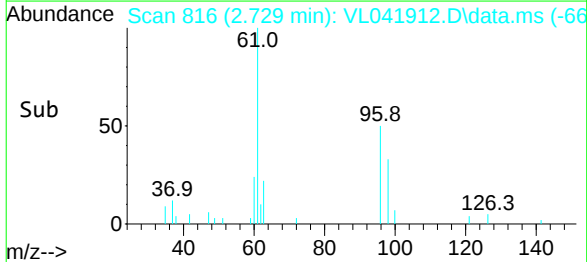
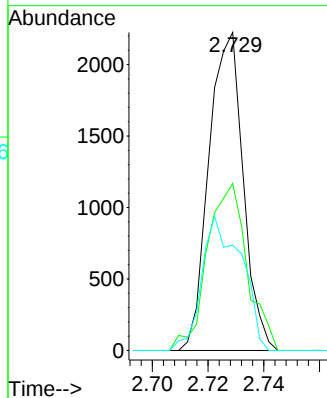
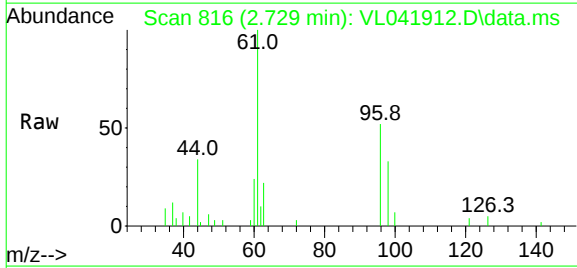
MDL 0.1

Tgt Ion:	61	Resp:	1900
Ion	Ratio	Lower	Upper
61	100		
96	52.4	48.7	73.1
98	33.1	31.6	47.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#32

1,1,1-Trichloroethane

Concen: 0.102 ppbv

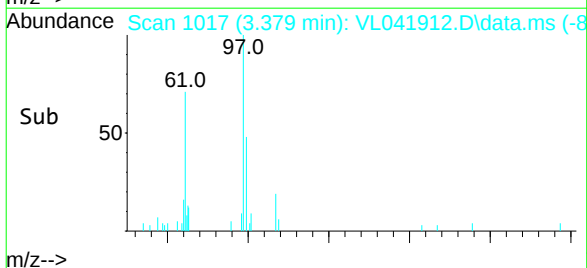
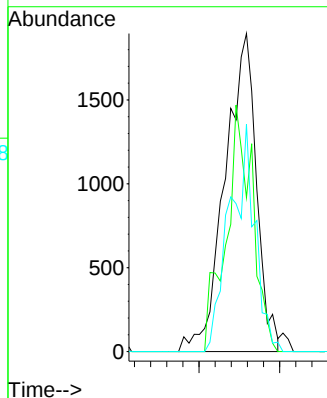
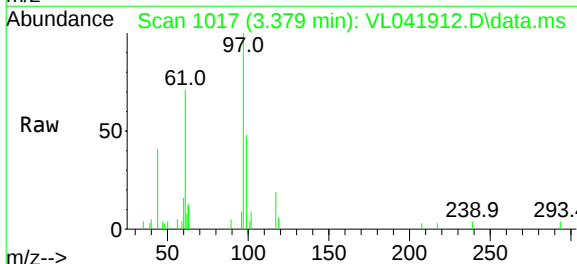
RT: 3.379 min Scan# 1017

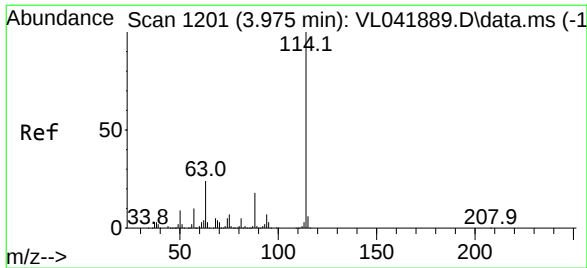
Delta R.T. 0.000 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Tgt Ion:	97	Resp:	2567
Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.1	76.7
61	57.1	39.0	58.6





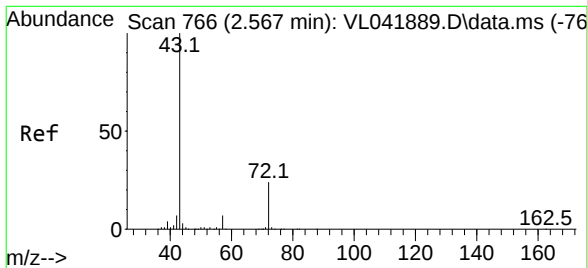
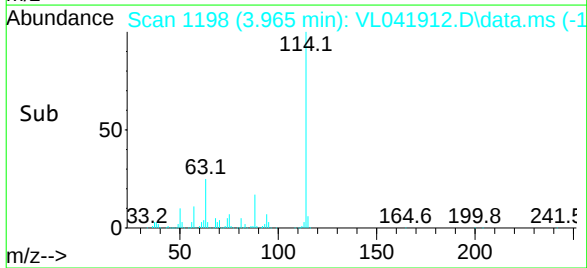
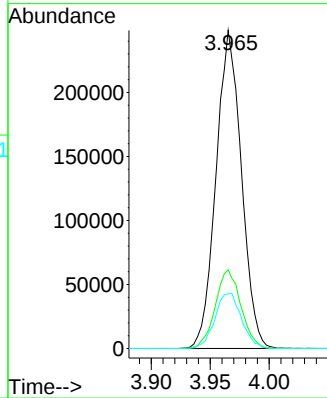
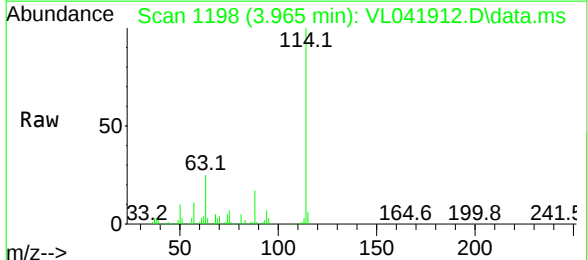
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 111
Delta R.T. -0.010 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1

Tgt Ion: 114 Resp: 371443
Ion Ratio Lower Upper
114 100
63 25.0 19.8 29.6
88 18.3 14.4 21.6

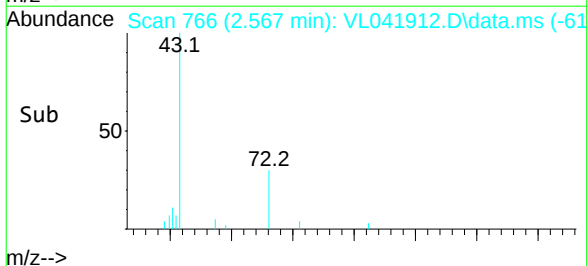
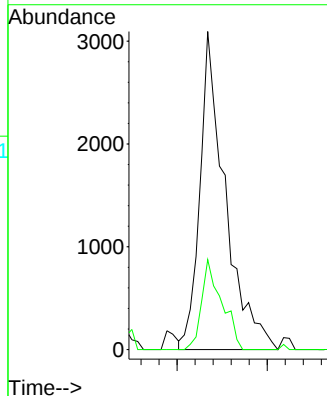
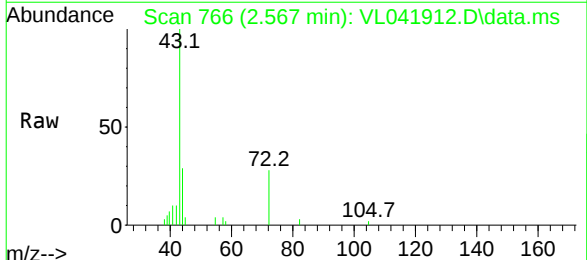
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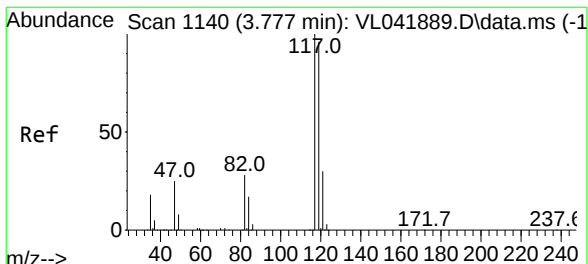
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#34
2-Butanone
Concen: 0.128 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.000 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

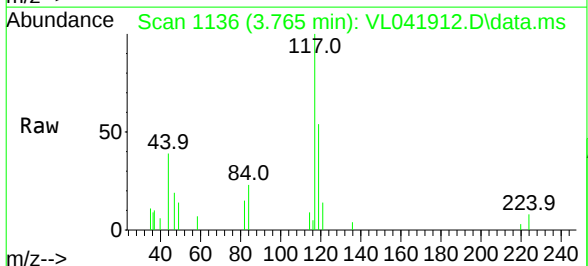
Tgt Ion: 43 Resp: 3017
Ion Ratio Lower Upper
43 100
72 22.6 18.6 28.0





#35
Carbon Tetrachloride
 Concen: 0.122 ppbv m
 RT: 3.765 min Scan# 111
 Delta R.T. -0.013 min
 Lab File: VL041912.D
 Acq: 15 Jan 2025 02:23

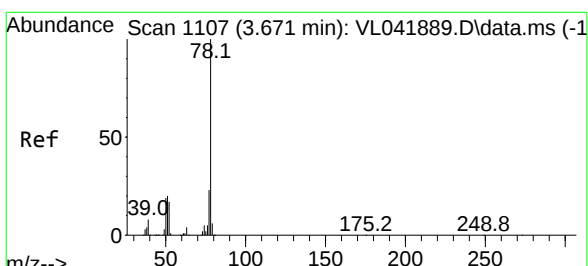
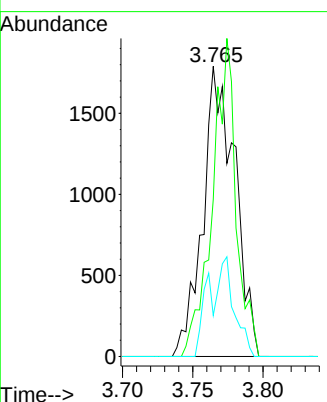
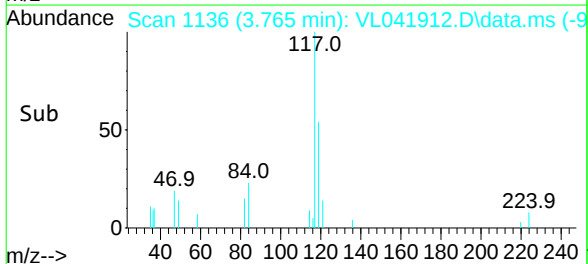
Instrument : MSVOA_L
ClientSampleId : MDL 0.1



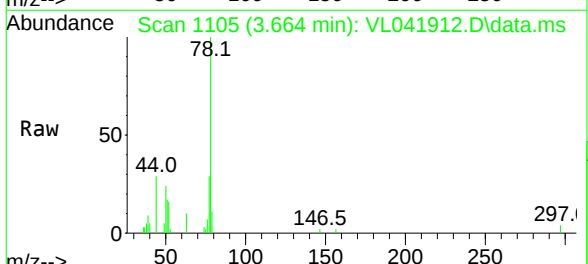
Tgt Ion: 117 Resp: 2845

Ion	Ratio	Lower	Upper
117	100		
119	54.1	76.9	115.3#
121	14.1	23.8	35.6#

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 Supervised By :Mahesh Dadoda 01/15/2025

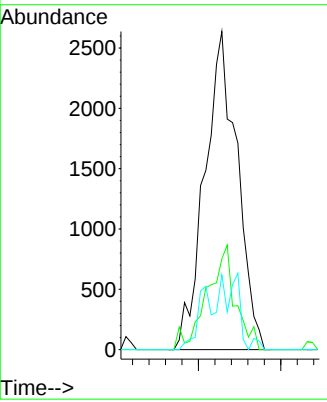
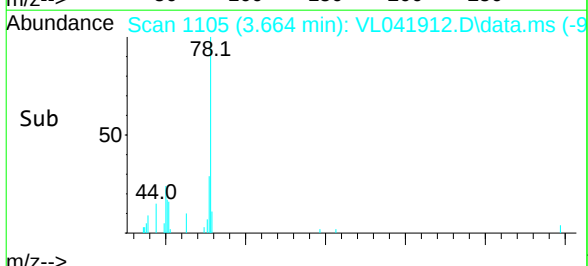


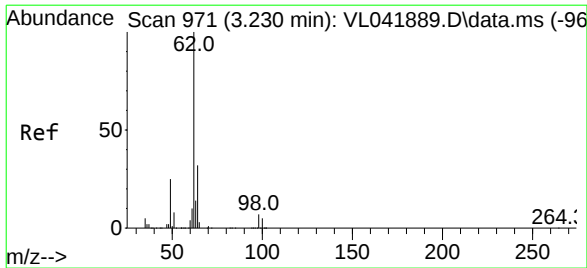
#36
Benzene
 Concen: 0.106 ppbv m
 RT: 3.664 min Scan# 1105
 Delta R.T. -0.006 min
 Lab File: VL041912.D
 Acq: 15 Jan 2025 02:23



Tgt Ion: 78 Resp: 3602

Ion	Ratio	Lower	Upper
78	100		
77	28.5	18.1	27.1#
50	23.5	15.2	22.8#





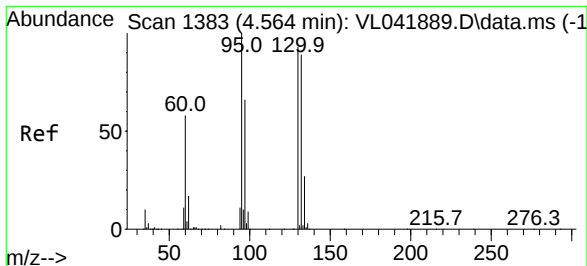
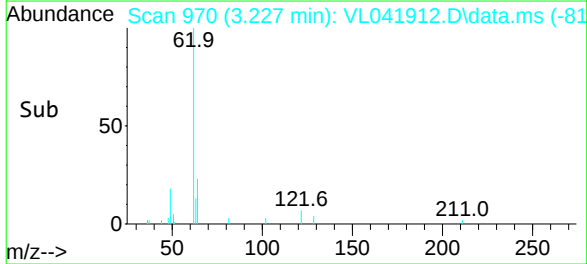
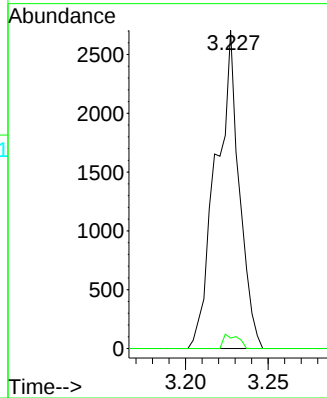
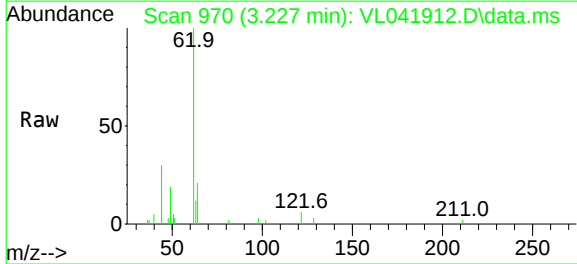
#37
1,2-Dichloroethane
Concen: 0.139 ppbv m
RT: 3.227 min Scan# 971
Delta R.T. -0.003 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1

Tgt Ion: 62 Resp: 2651
Ion Ratio Lower Upper
62 100
98 2.8 5.4 8.0#

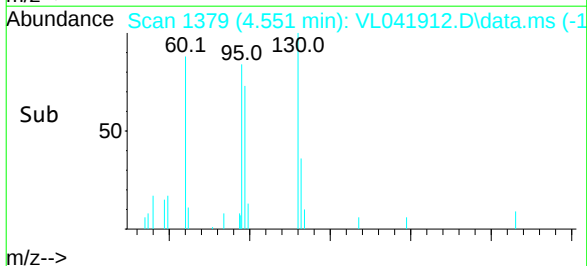
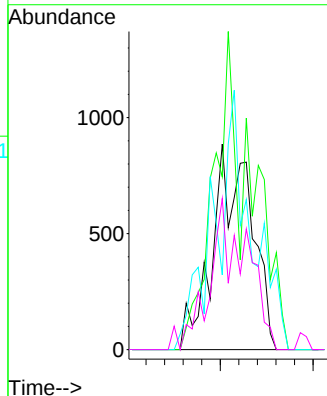
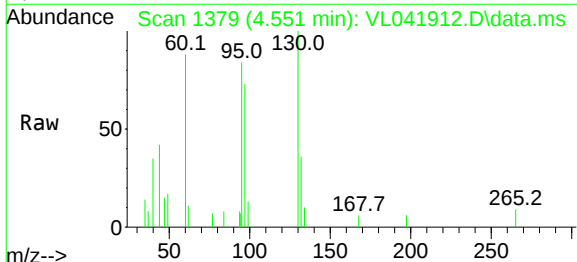
Manual Integrations
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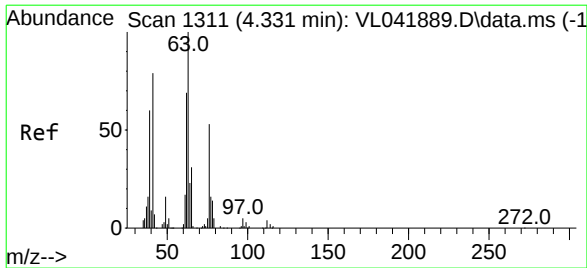
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#38
Trichloroethene
Concen: 0.096 ppbv m
RT: 4.551 min Scan# 1379
Delta R.T. -0.013 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

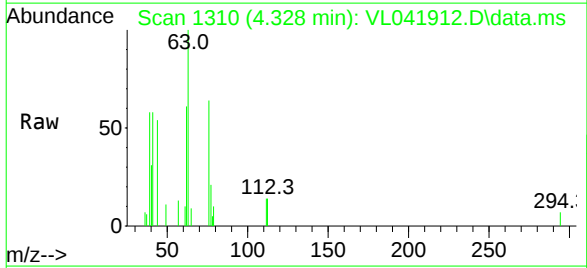
Tgt Ion:130 Resp: 1292
Ion Ratio Lower Upper
130 100
95 84.1 85.8 128.8#
132 36.3 76.5 114.7#
97 73.5 56.8 85.2





#39
1,2-Dichloropropane
Concen: 0.107 ppbv m
RT: 4.328 min Scan# 1311
Delta R.T. -0.003 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

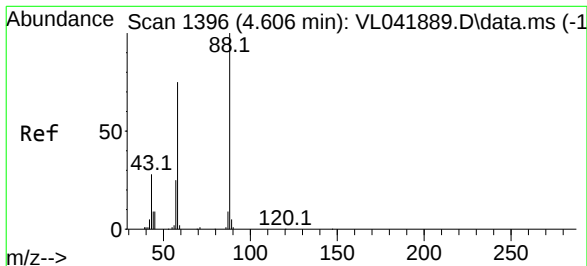
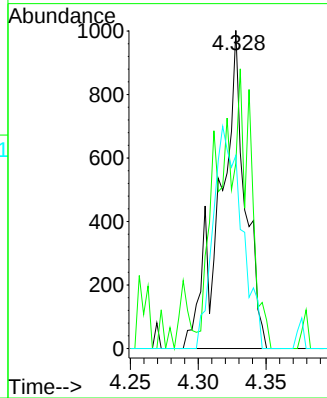
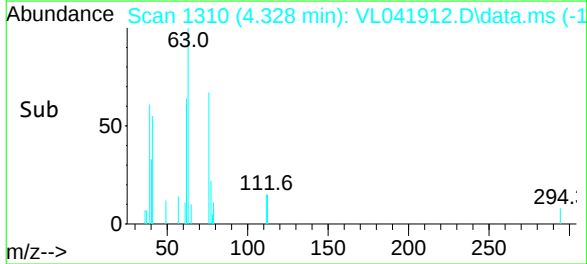
Instrument : MSVOA_L
ClientSampleId : MDL 0.1



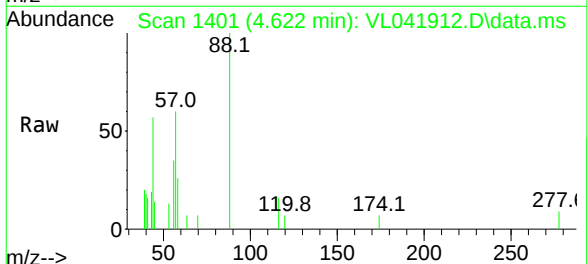
Tgt Ion: 63 Resp: 1279
Ion Ratio Lower Upper
63 100
41 58.3 63.7 95.5#
62 60.7 55.4 83.2

Manual Integrations
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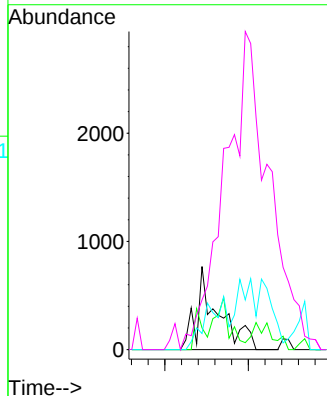
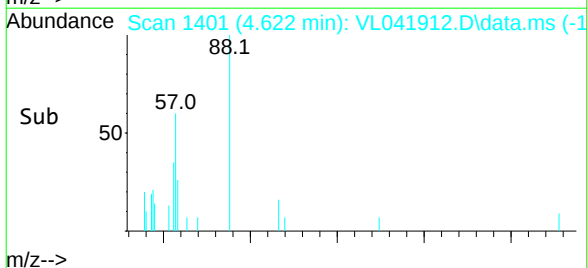
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

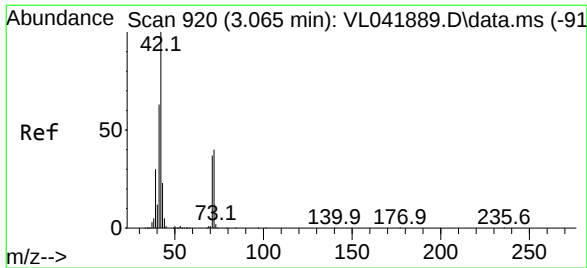


#40
1,4-Dioxane
Concen: 0.115 ppbv m
RT: 4.622 min Scan# 1401
Delta R.T. 0.016 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23



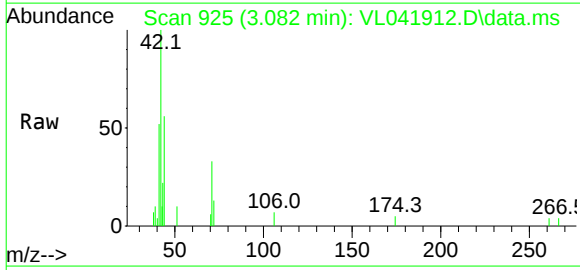
Tgt Ion: 88 Resp: 692
Ion Ratio Lower Upper
88 100
58 0.0 62.1 93.1#
43 0.0 0.0 0.0
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.126 ppbv m
RT: 3.082 min Scan# 92
Delta R.T. 0.016 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

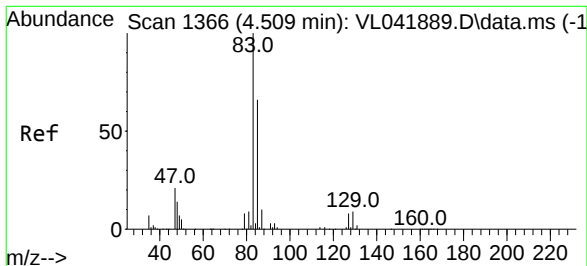
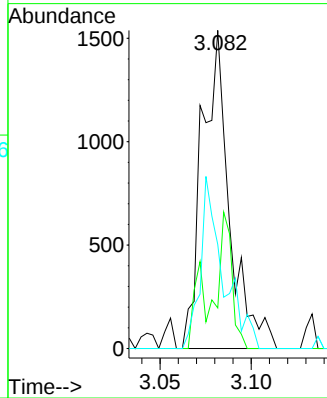
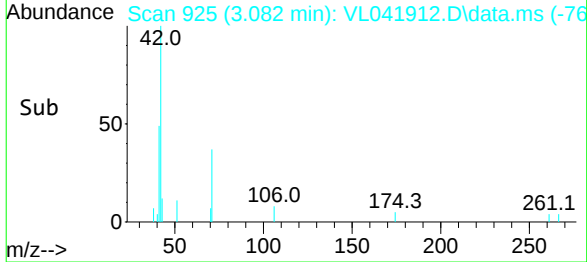
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1



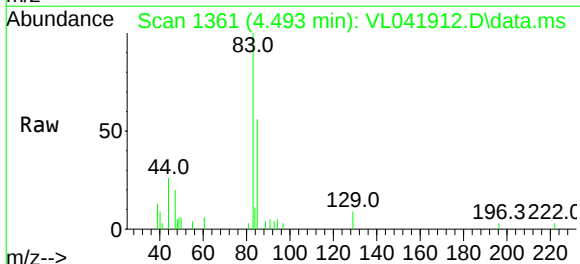
Tgt Ion: 42 Resp: 1615
Ion Ratio Lower Upper
42 100
72 0.0 32.3 48.5#
71 0.0 29.9 44.9#

Manual Integrations
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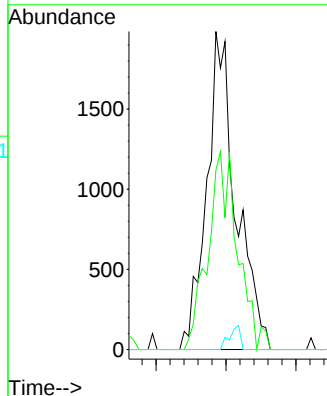
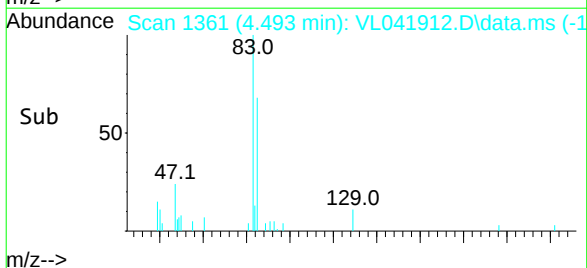
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

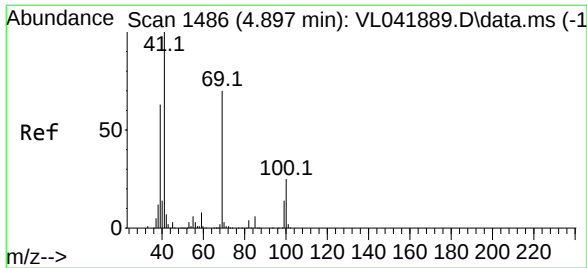


#42
Bromodichloromethane
Concen: 0.113 ppbv m
RT: 4.493 min Scan# 1361
Delta R.T. -0.016 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23



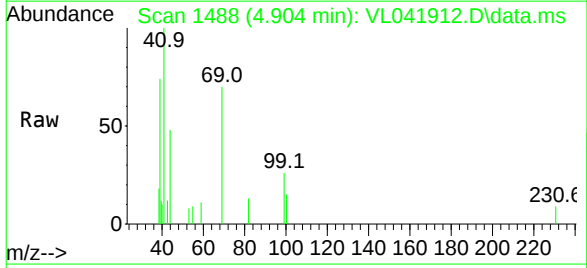
Tgt Ion: 83 Resp: 2893
Ion Ratio Lower Upper
83 100
85 56.5 52.6 78.8
127 0.0 6.4 9.6#





#43
Methyl Methacrylate
Concen: 0.070 ppbv m
RT: 4.904 min Scan# 1486
Delta R.T. 0.007 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

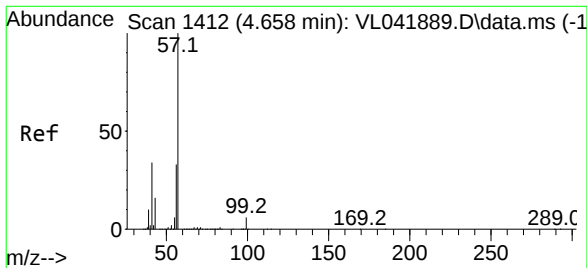
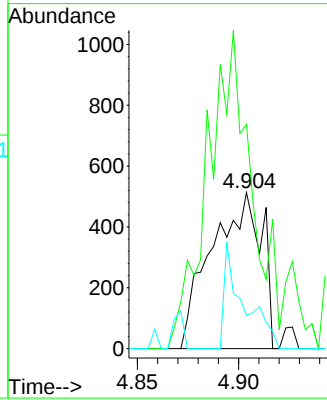
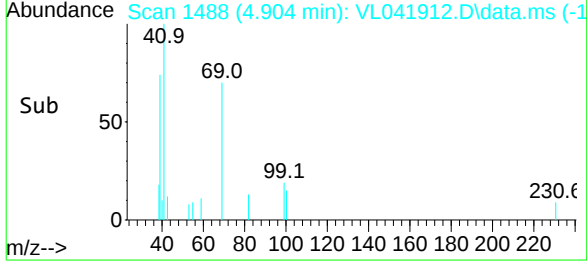
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1



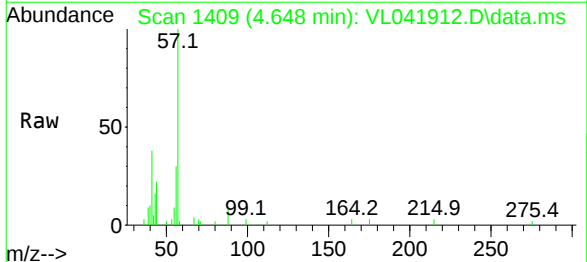
Tgt Ion: 69 Resp: 881
Ion Ratio Lower Upper
69 100
41 195.7 118.6 177.8#
100 26.6 29.3 43.9#

Manual Integrations
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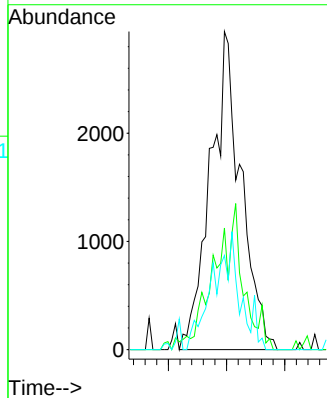
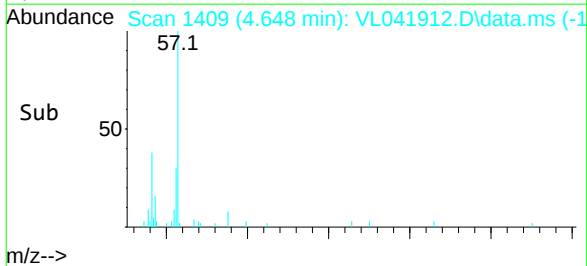
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

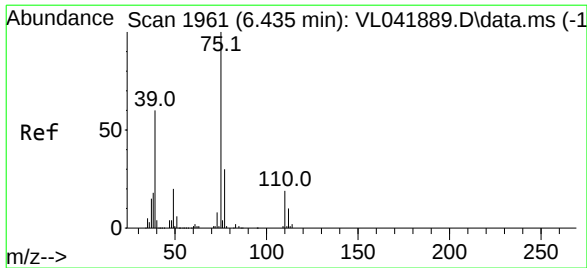


#44
2,2,4-Trimethylpentane
Concen: 0.097 ppbv m
RT: 4.648 min Scan# 1409
Delta R.T. -0.010 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23



Tgt Ion: 57 Resp: 5371
Ion Ratio Lower Upper
57 100
41 0.0 26.6 40.0#
56 0.0 25.4 38.2#





#45

t-1,3-Dichloropropene

Concen: 0.081 ppbv m

RT: 6.428 min Scan# 19

Delta R.T. -0.006 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.1

Tgt Ion: 75 Resp: 959

Ion Ratio Lower Upper

75 100

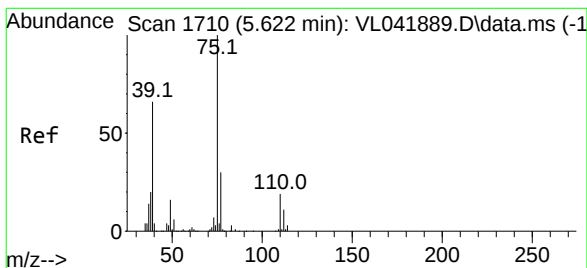
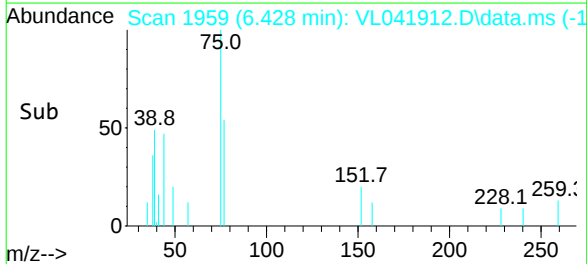
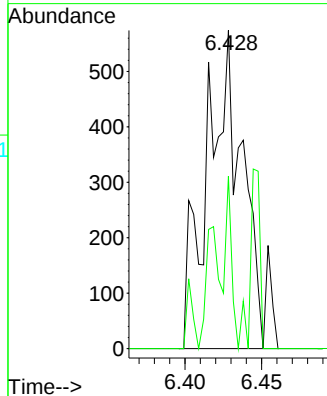
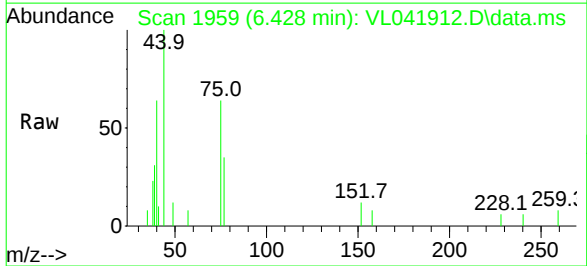
77 54.2 24.3 36.5#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#46

cis-1,3-Dichloropropene

Concen: 0.091 ppbv m

RT: 5.622 min Scan# 1710

Delta R.T. 0.000 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

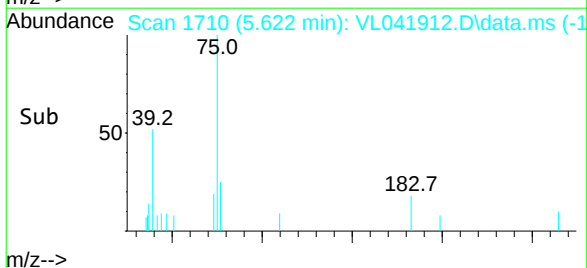
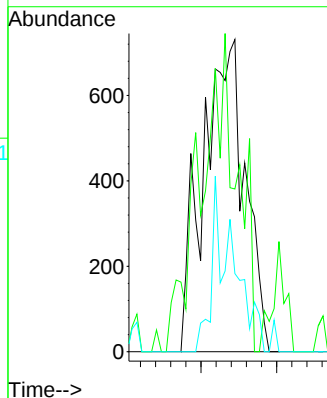
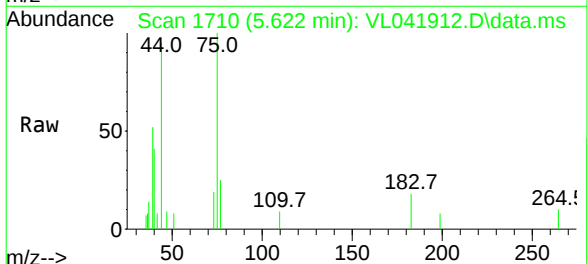
Tgt Ion: 75 Resp: 1410

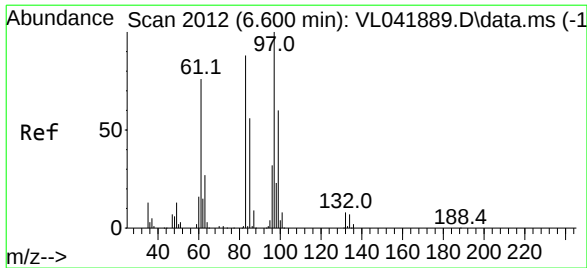
Ion Ratio Lower Upper

75 100

39 52.1 53.1 79.7#

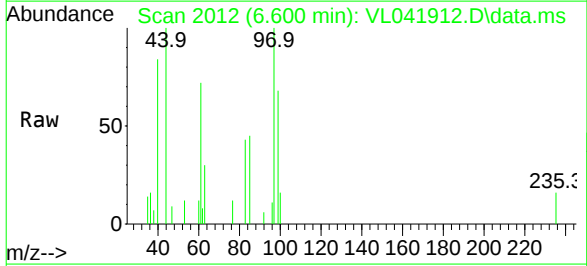
77 25.0 23.8 35.8





#47
1,1,2-Trichloroethane
Concen: 0.117 ppbv m
RT: 6.600 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

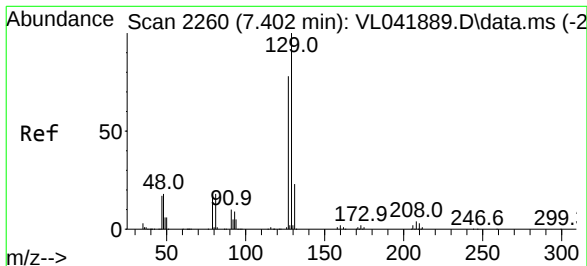
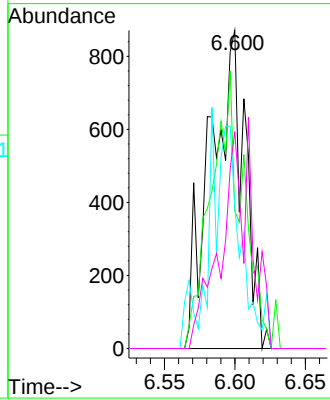
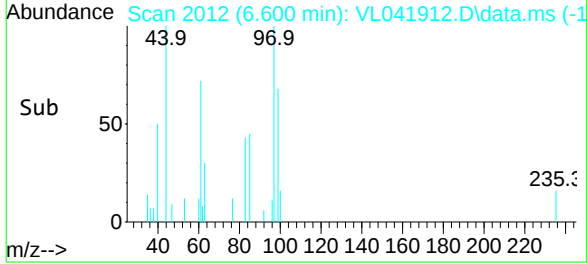
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1



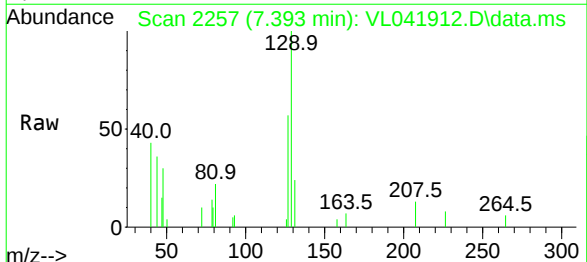
Tgt Ion: 97 Resp: 1477
Ion Ratio Lower Upper
97 100
83 43.2 70.4 105.6#
85 44.8 45.0 67.4#
99 68.2 48.1 72.1

Manual Integrations
APPROVED

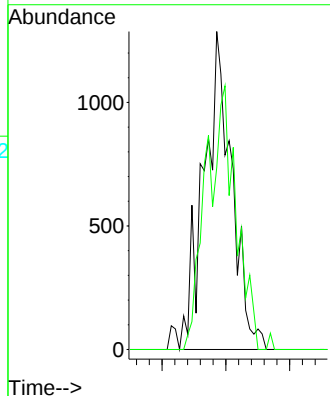
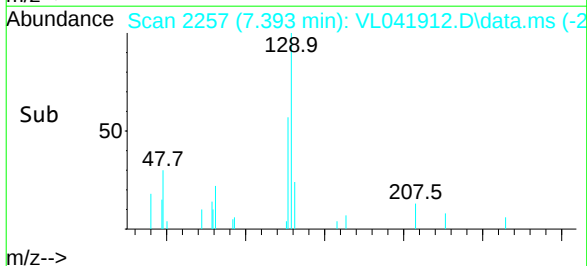
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

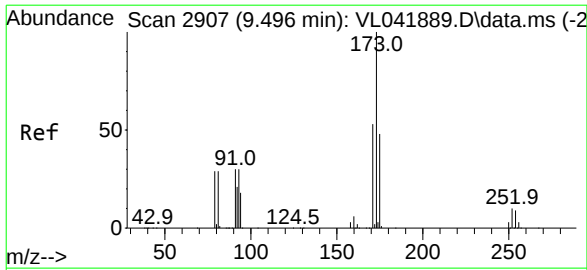


#48
Dibromochloromethane
Concen: 0.099 ppbv m
RT: 7.393 min Scan# 2257
Delta R.T. -0.010 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23



Tgt Ion:129 Resp: 1942
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.8#





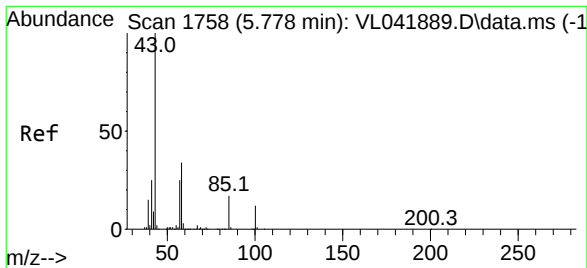
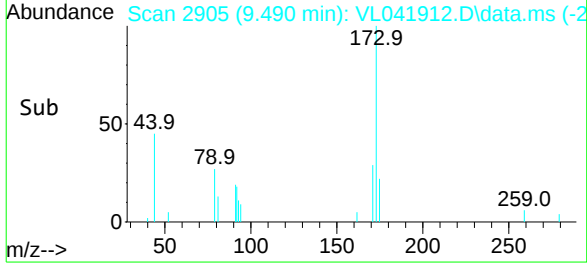
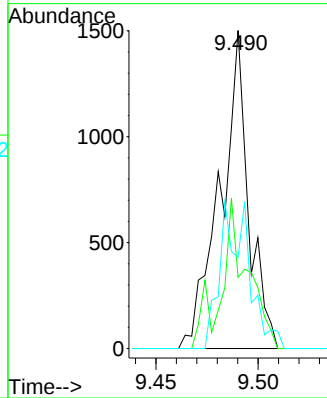
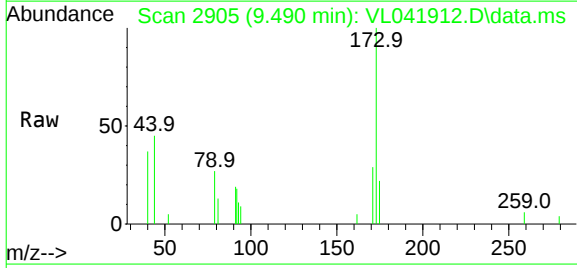
#49
Bromoform
Concen: 0.090 ppbv
RT: 9.490 min Scan# 2905
Delta R.T. -0.006 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1

Tgt Ion	Ratio	Lower	Upper
173	100		
175	44.1	38.4	57.6
171	46.4	41.4	62.2

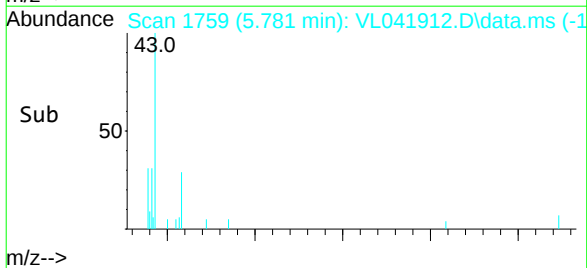
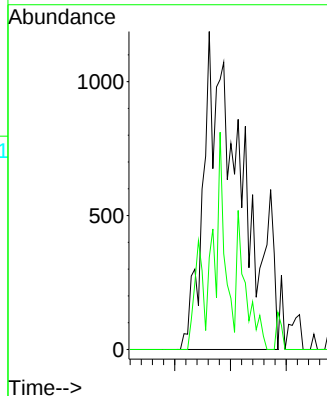
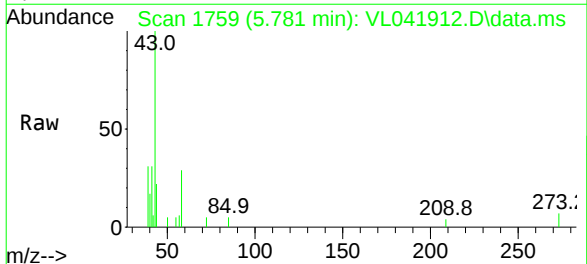
Manual Integrations
APPROVED

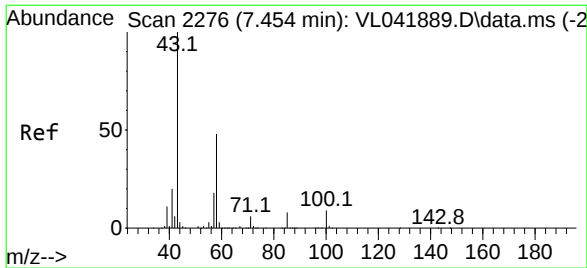
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#50
4-Methyl-2-Pentanone
Concen: 0.087 ppbv m
RT: 5.781 min Scan# 1759
Delta R.T. 0.003 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

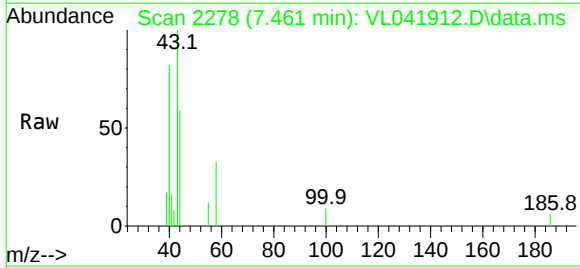
Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.0	43.6





#51
2-Hexanone
Concen: 0.083 ppbv m
RT: 7.461 min Scan# 2276
Delta R.T. 0.007 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

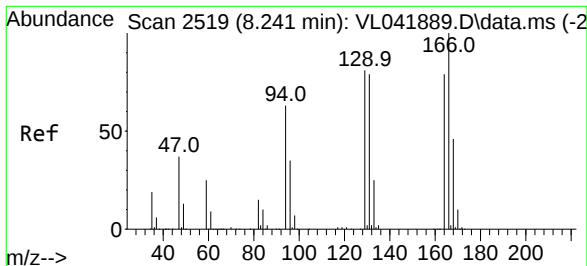
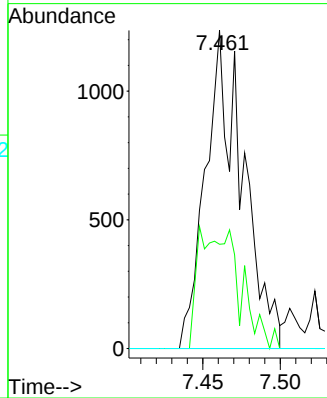
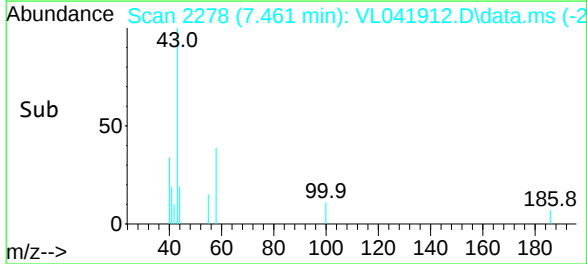
Instrument : MSVOA_L
ClientSampleId :
MDL 0.1



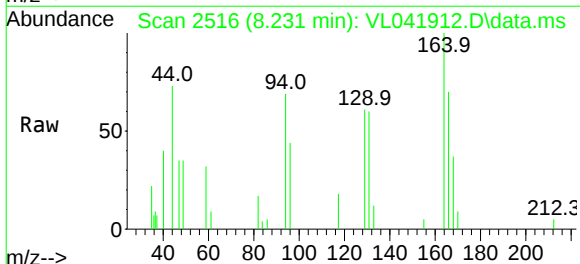
Tgt Ion: 43 Resp: 2057
Ion Ratio Lower Upper
43 100
58 42.1 40.4 60.6
98 0.0 0.2 0.2#

Manual Integrations
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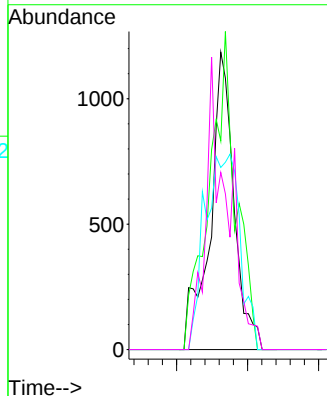
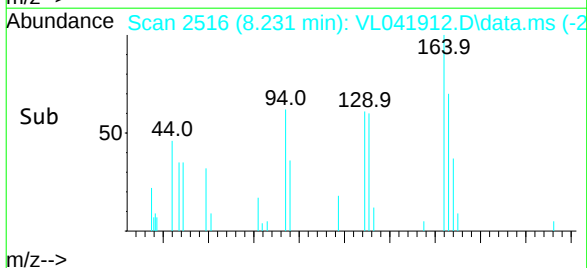
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

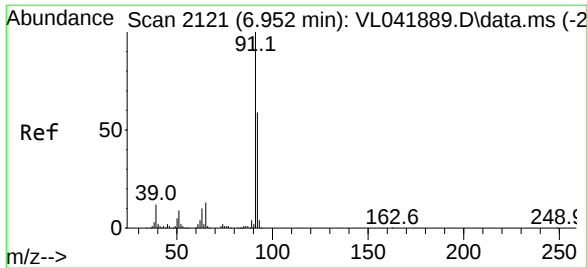


#52
Tetrachloroethene
Concen: 0.118 ppbv m
RT: 8.231 min Scan# 2516
Delta R.T. -0.010 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23



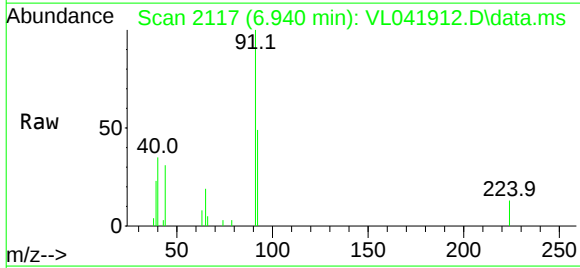
Tgt Ion:164 Resp: 1389
Ion Ratio Lower Upper
164 100
166 70.2 100.8 151.2#
129 61.2 82.0 123.0#
131 59.5 80.2 120.2#





#53
Toluene
Concen: 0.092 ppbv m
RT: 6.940 min Scan# 2117
Delta R.T. -0.013 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

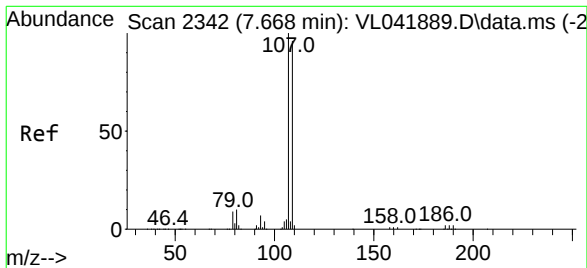
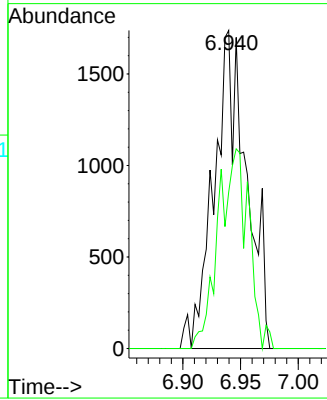
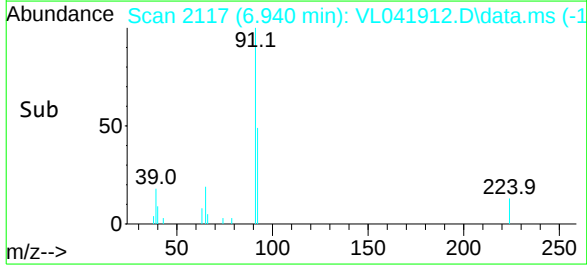
Instrument : MSVOA_L
ClientSampleId : MDL 0.1



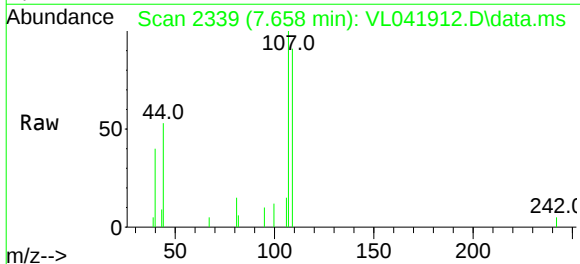
Tgt Ion: 91 Resp: 3415
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0

Manual Integrations
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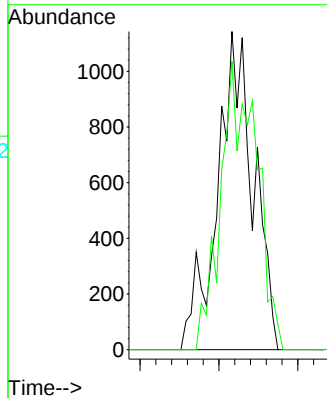
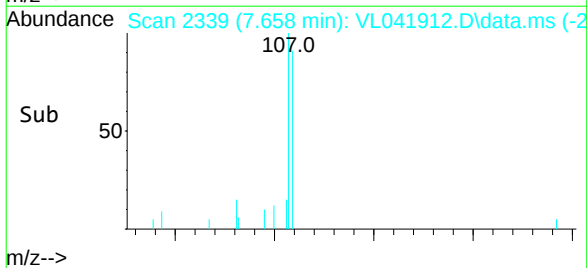
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

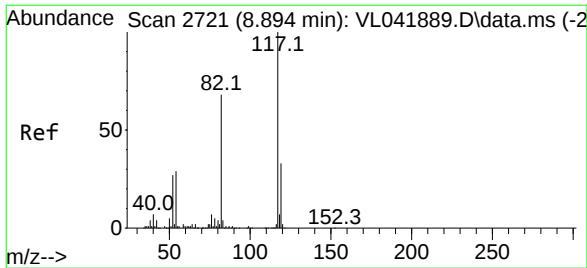


#54
1,2-Dibromoethane
Concen: 0.104 ppbv m
RT: 7.658 min Scan# 2339
Delta R.T. -0.010 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23



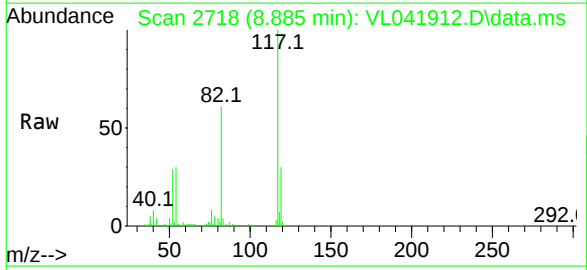
Tgt Ion:107 Resp: 1810
Ion Ratio Lower Upper
107 100
109 90.6 76.7 115.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. -0.010 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

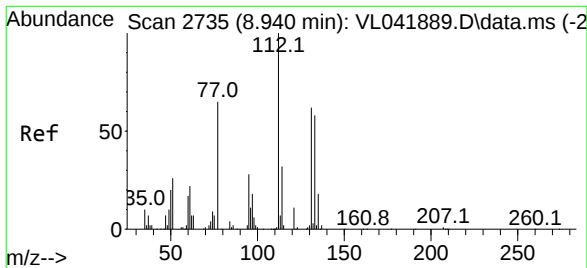
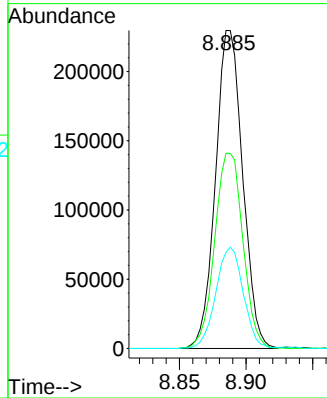
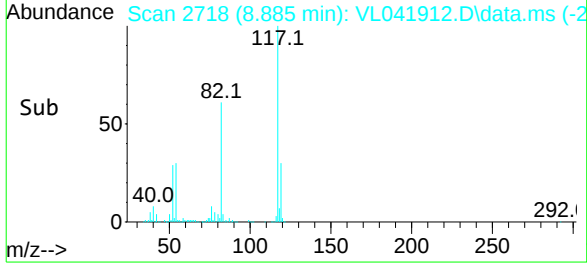
Instrument : MSVOA_L
ClientSampleId : MDL 0.1



Tgt Ion:117 Resp: 325848
Ion Ratio Lower Upper
117 100
82 63.8 54.2 81.4
119 32.4 25.0 37.6

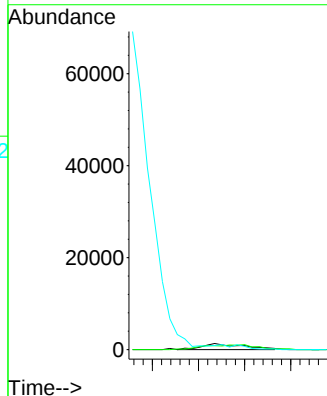
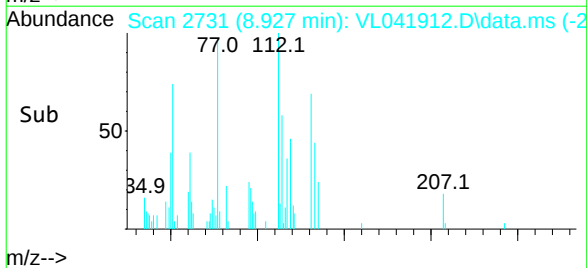
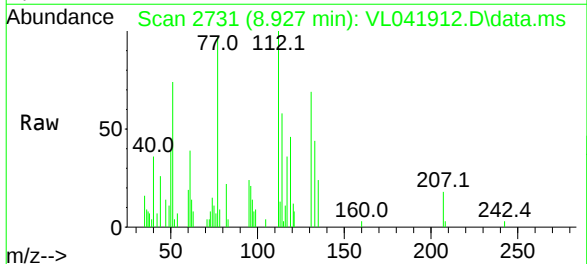
Manual Integrations
APPROVED

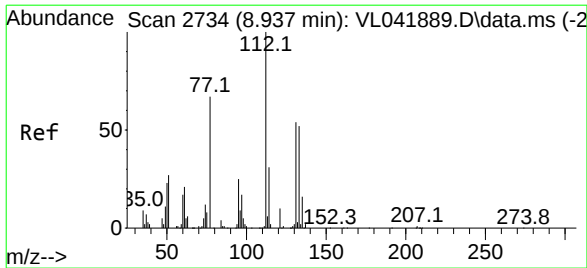
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.102 ppbv m
RT: 8.927 min Scan# 2731
Delta R.T. -0.013 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

Tgt Ion:131 Resp: 1651
Ion Ratio Lower Upper
131 100
133 0.0 76.0 114.0#
119 0.0 49.7 74.5#





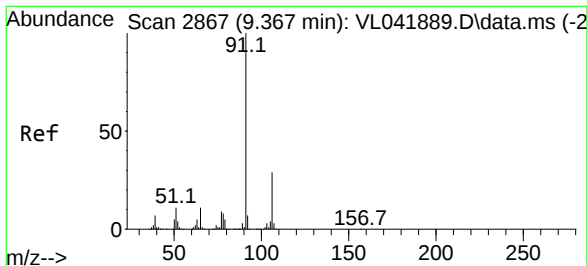
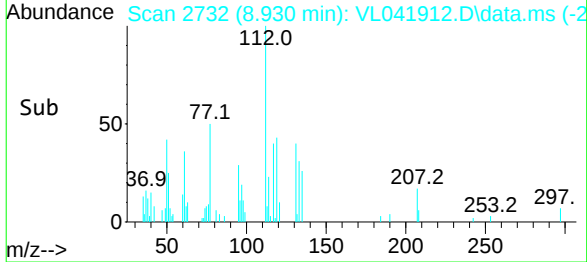
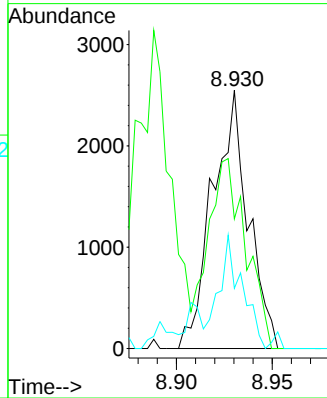
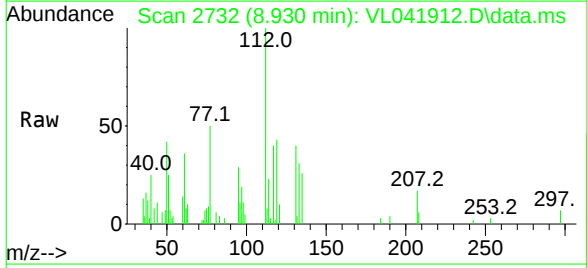
#57
Chlorobenzene
Concen: 0.109 ppbv
RT: 8.930 min Scan# 2734
Delta R.T. -0.006 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1

Tgt Ion:	112	Resp:	3290
Ion Ratio	Lower	Upper	
112	100		
77	50.2	54.6	82.0#
114	17.9	28.2	34.4#

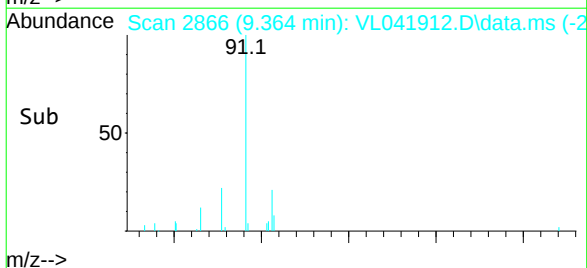
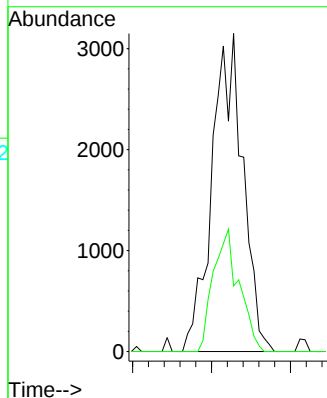
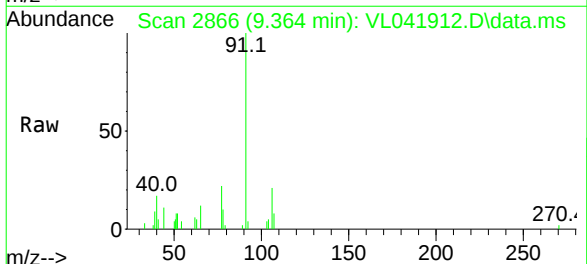
Manual Integrations
APPROVED

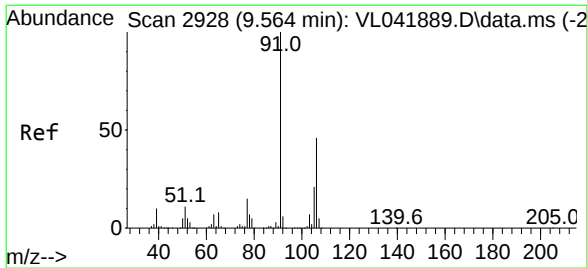
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#58
Ethyl Benzene
Concen: 0.084 ppbv m
RT: 9.364 min Scan# 2866
Delta R.T. -0.003 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

Tgt Ion:	91	Resp:	4284
Ion Ratio	Lower	Upper	
91	100		
106	20.6	23.1	34.7#





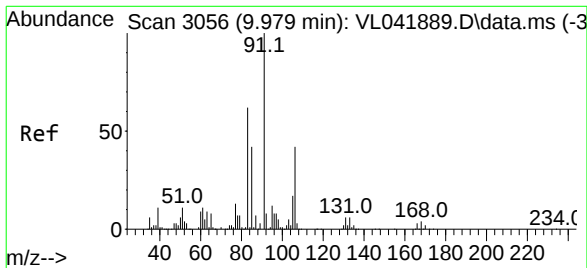
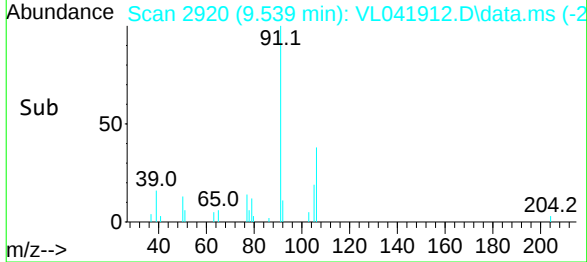
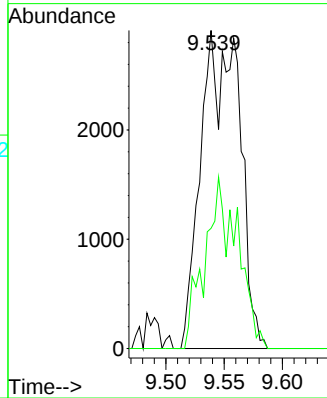
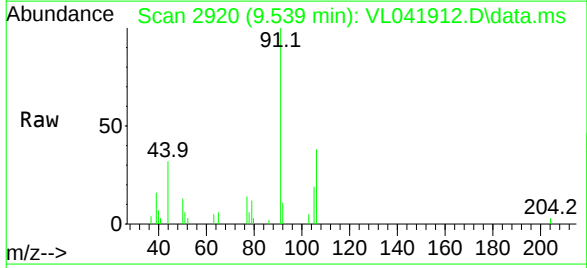
#59
m/p-Xylene
Concen: 0.165 ppbv m
RT: 9.539 min Scan# 29
Delta R.T. -0.026 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1

Tgt Ion: 91 Resp: 6737
Ion Ratio Lower Upper
91 100
106 0.0 36.0 54.0#

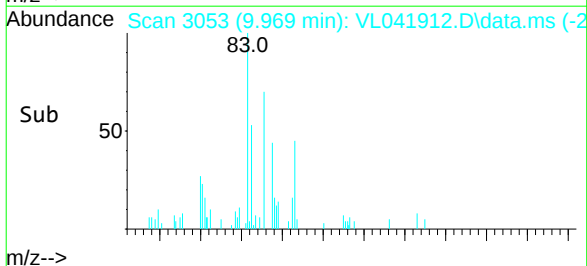
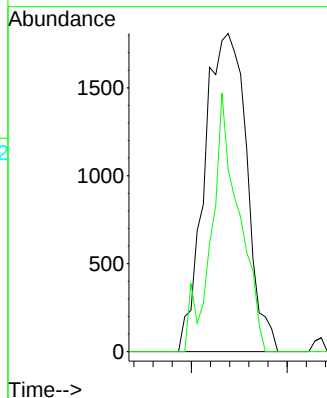
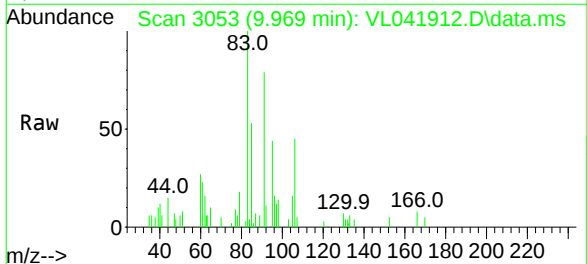
Manual Integrations
APPROVED

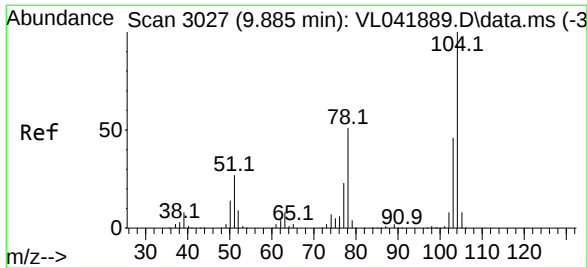
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#60
o-Xylene
Concen: 0.068 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.010 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

Tgt Ion: 91 Resp: 2766
Ion Ratio Lower Upper
91 100
106 53.3 21.3 63.9





#61

Styrene

Concen: 0.073 ppbv m

RT: 9.875 min Scan# 3027

Delta R.T. -0.010 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Instrument :

MSVOA_L

ClientSampleId :

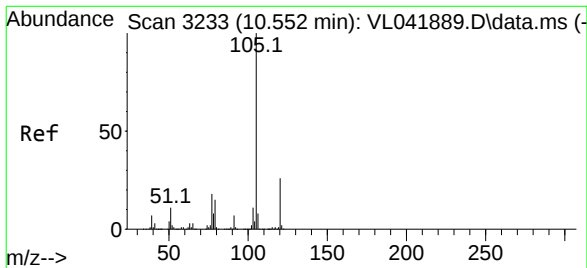
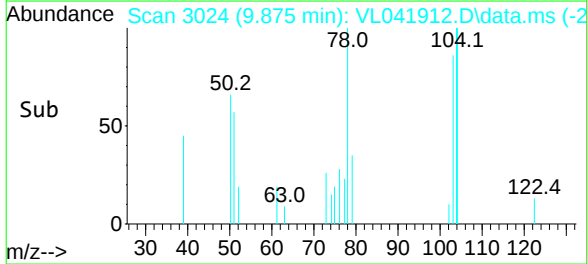
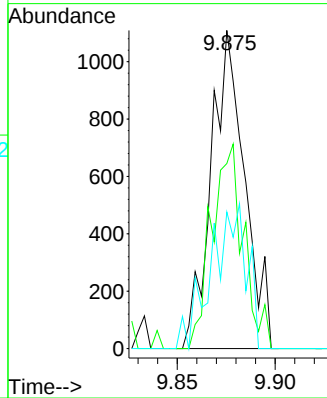
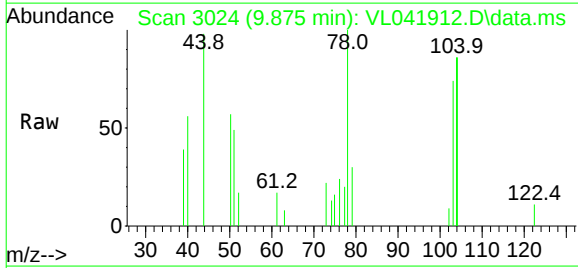
MDL 0.1

Tgt Ion:	104	Resp:	1324
Ion Ratio	Lower	Upper	
104	100		
78	64.3	41.0	61.6
103	47.9	37.2	55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#62

Isopropylbenzene

Concen: 0.085 ppbv

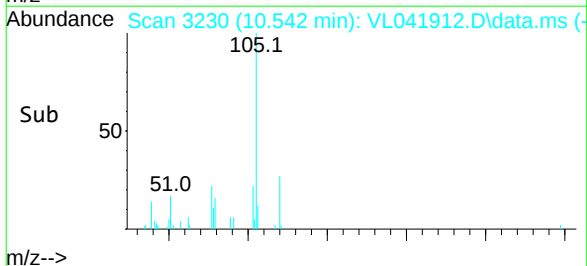
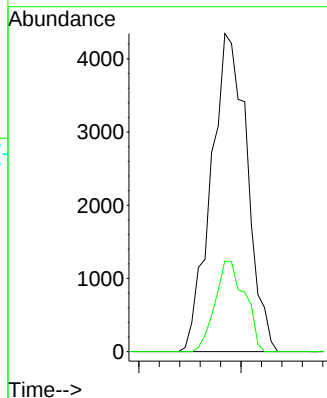
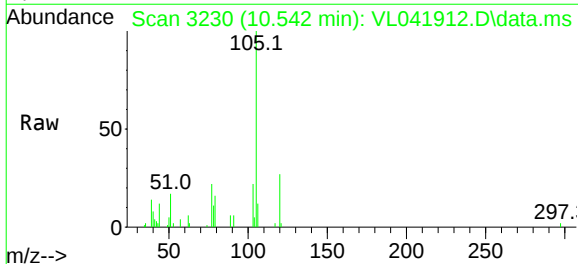
RT: 10.542 min Scan# 3230

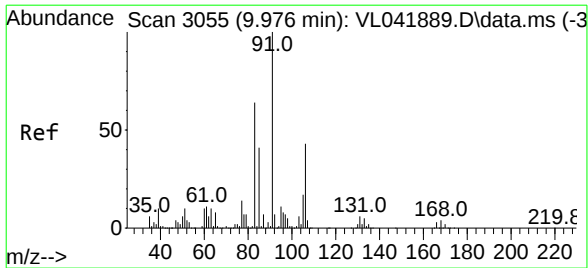
Delta R.T. -0.010 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

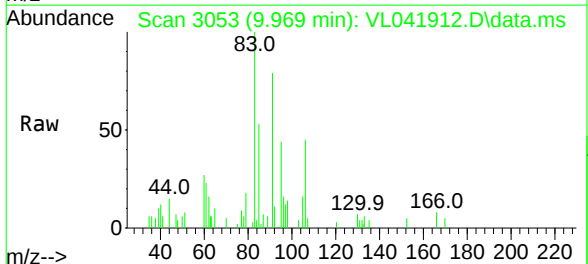
Tgt Ion:	105	Resp:	5312
Ion Ratio	Lower	Upper	
105	100		
120	23.7	20.3	30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 0.116 ppbv m
RT: 9.969 min Scan# 3055
Delta R.T. -0.006 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

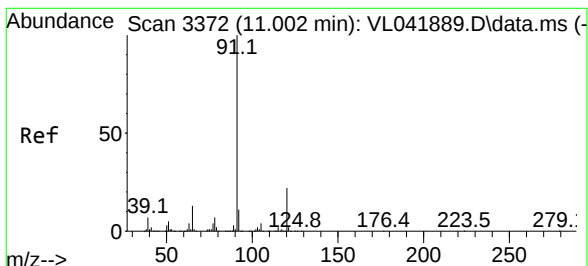
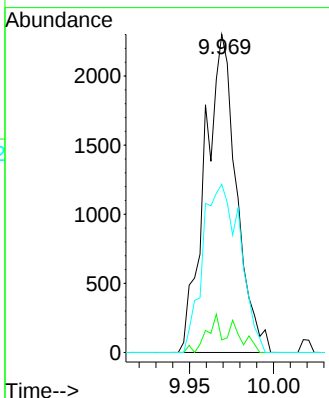
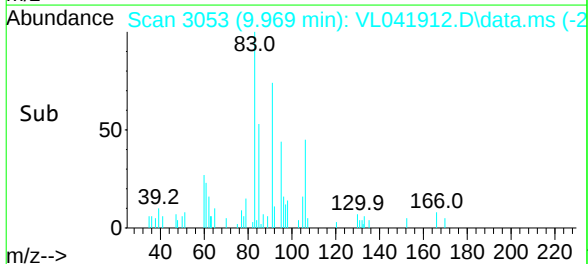
Instrument : MSVOA_L
ClientSampleId : MDL 0.1



Tgt Ion: 83 Resp: 3000
Ion Ratio Lower Upper
83 100
131 9.6 4.8 14.4
85 62.9 32.4 97.2

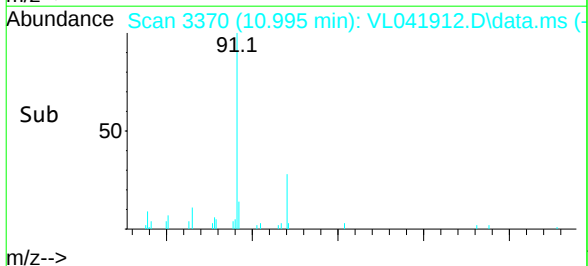
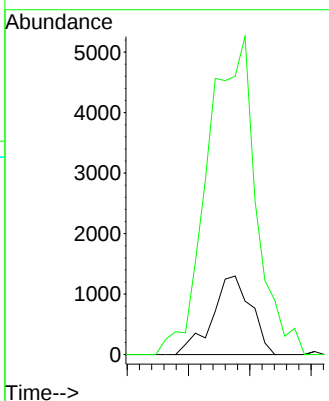
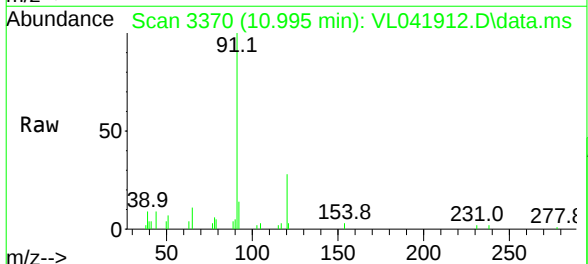
Manual Integrations
APPROVED

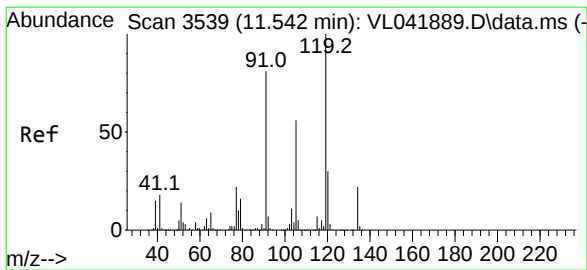
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#64
n-propylbenzene
Concen: 0.072 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. -0.006 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

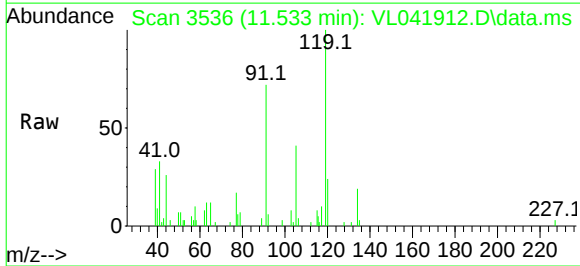
Tgt Ion:120 Resp: 1147
Ion Ratio Lower Upper
120 100
91 504.1 374.1 561.1





#65
tert-Butylbenzene
Concen: 0.062 ppbv
RT: 11.533 min Scan# 3539
Delta R.T. -0.010 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

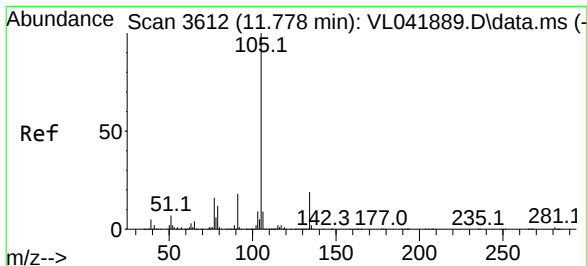
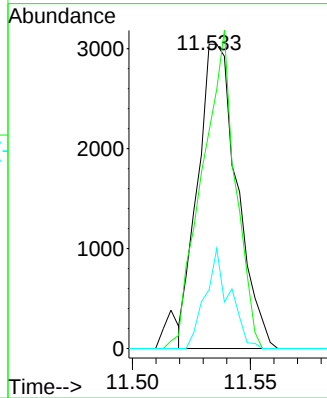
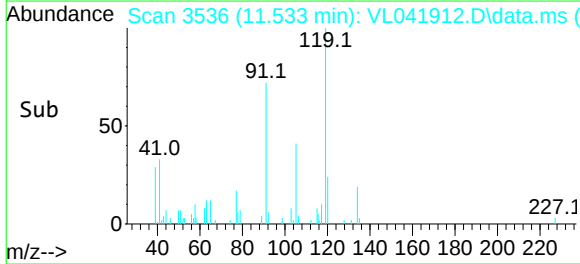
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1



Tgt Ion:119 Resp: 3524
Ion Ratio Lower Upper
119 100
91 88.7 64.6 97.0
134 20.5 16.8 25.2

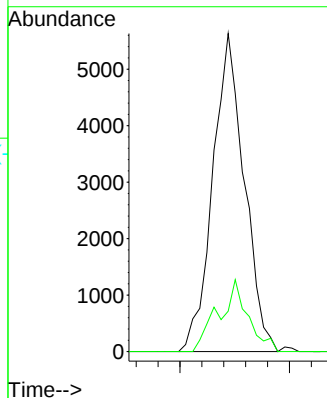
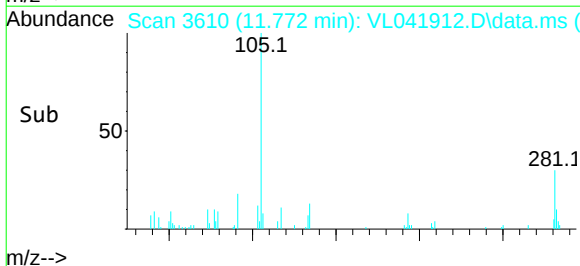
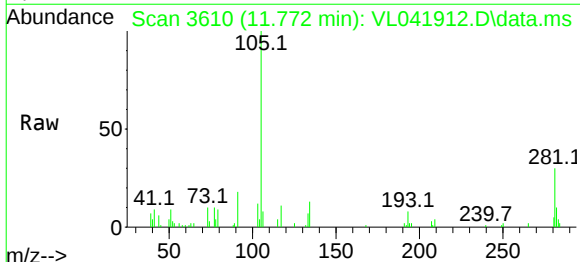
Manual Integrations
APPROVED

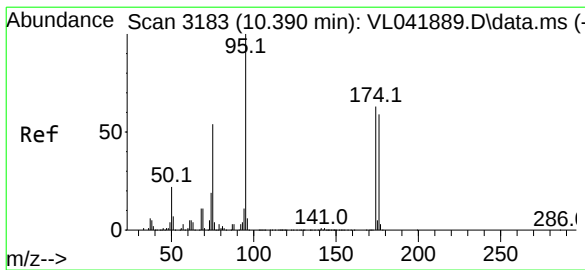
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#67
sec-Butylbenzene
Concen: 0.072 ppbv
RT: 11.772 min Scan# 3610
Delta R.T. -0.006 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

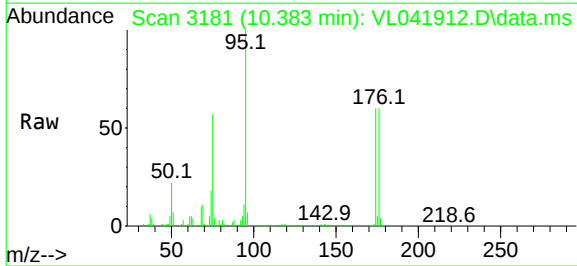
Tgt Ion:105 Resp: 5636
Ion Ratio Lower Upper
105 100
134 21.1 15.1 22.7





#68
1-Bromo-4-Fluorobenzene
Concen: 9.941 ppbv
RT: 10.383 min Scan# 3183
Delta R.T. -0.006 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23

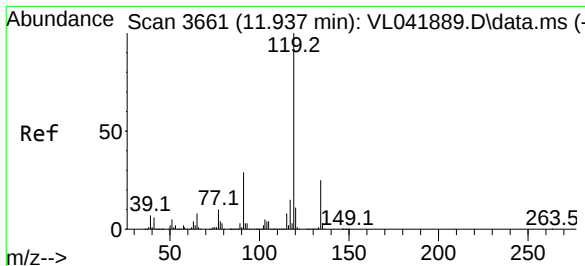
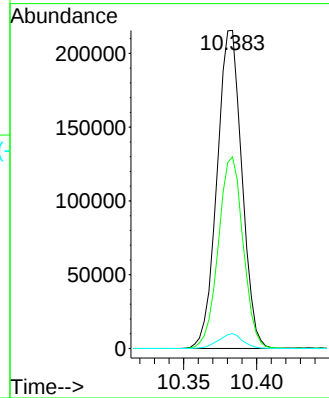
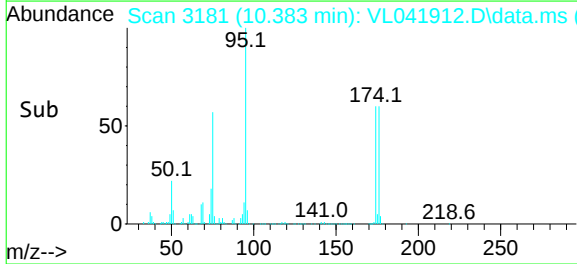
Instrument : MSVOA_L
ClientSampleId : MDL 0.1



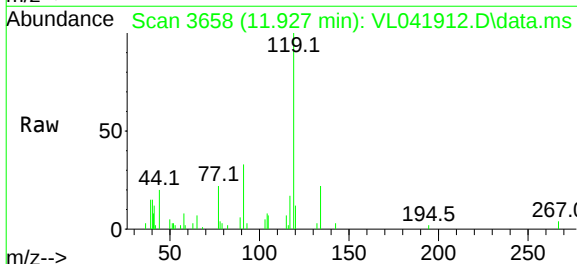
Tgt Ion: 95 Resp: 255145
Ion Ratio Lower Upper
95 100
174 60.0 49.0 73.4
175 4.6 3.8 5.8

Manual Integrations
APPROVED

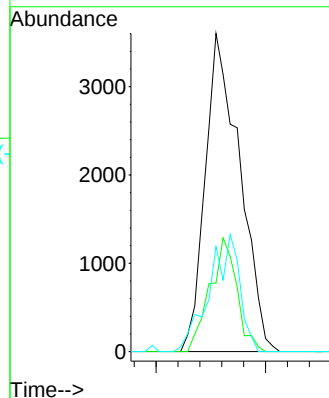
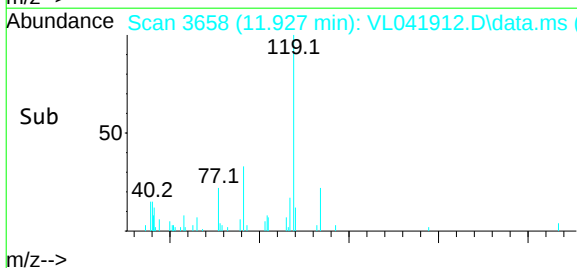
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

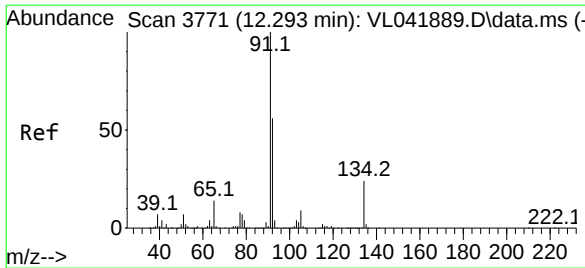


#69
p-Isopropyltoluene
Concen: 0.061 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. -0.010 min
Lab File: VL041912.D
Acq: 15 Jan 2025 02:23



Tgt Ion:119 Resp: 3943
Ion Ratio Lower Upper
119 100
134 27.7 19.8 29.6
91 32.3 23.0 34.4





#70

n-Butylbenzene

Concen: 0.068 ppbv

RT: 12.283 min Scan# 3771

Delta R.T. -0.010 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Instrument :

MSVOA_L

ClientSampleId :

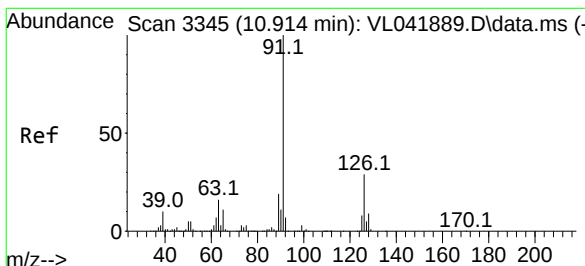
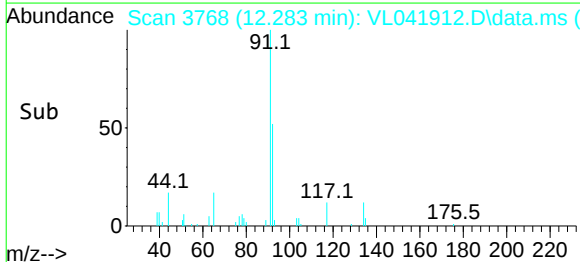
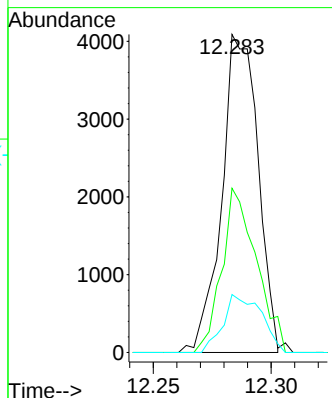
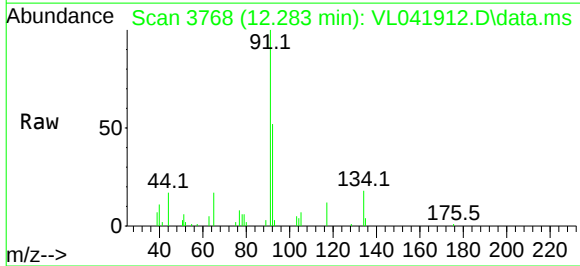
MDL 0.1

Tgt	Ion:	91	Resp:	4359
Ion	Ratio	Lower	Upper	
91	100			
92	49.4	43.8	65.6	
134	19.2	19.0	28.6	

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#71

2-Chlorotoluene

Concen: 0.079 ppbv

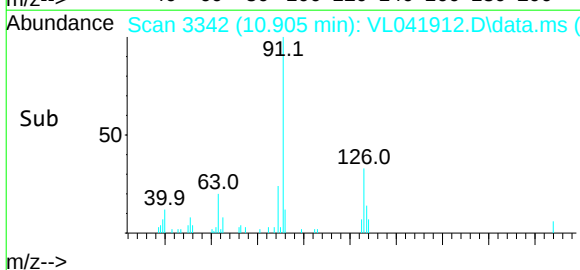
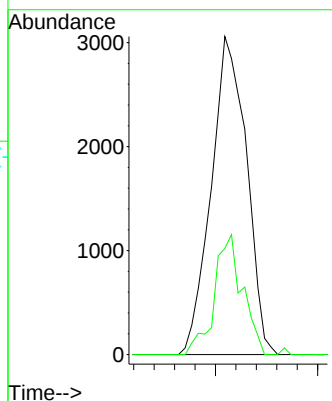
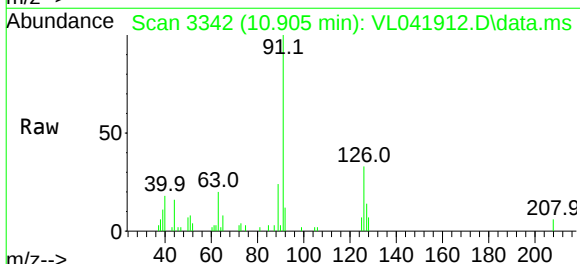
RT: 10.905 min Scan# 3342

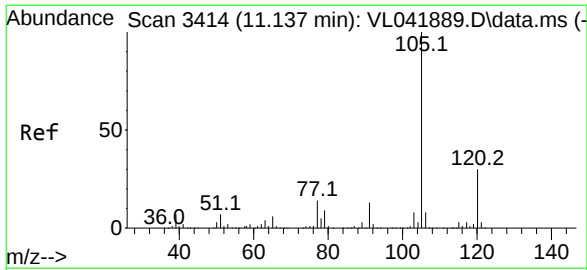
Delta R.T. -0.010 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Tgt	Ion:	91	Resp:	3670
Ion	Ratio	Lower	Upper	
91	100			
126	30.4	11.7	46.7	





#72

4-Ethyltoluene

Concen: 0.073 ppbv

RT: 11.128 min Scan# 3414

Delta R.T. -0.010 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.1

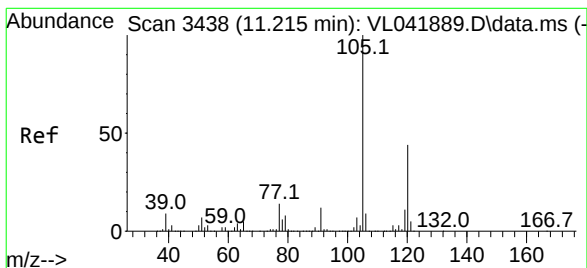
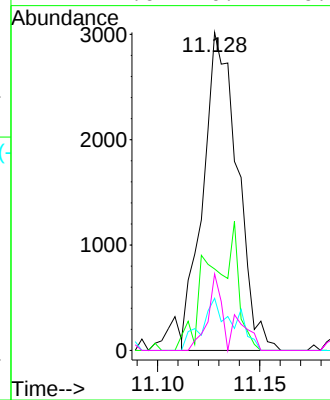
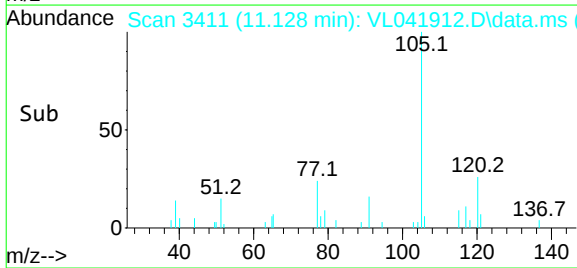
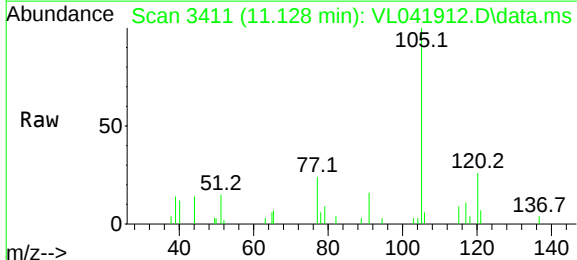
Tgt	Ion:105	Resp:	3541
Ion	Ratio	Lower	Upper
105	100		
120	34.0	23.7	35.5
91	15.5	10.2	15.2#
77	14.6	10.7	16.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#73

1,3,5-Trimethylbenzene

Concen: 0.075 ppbv

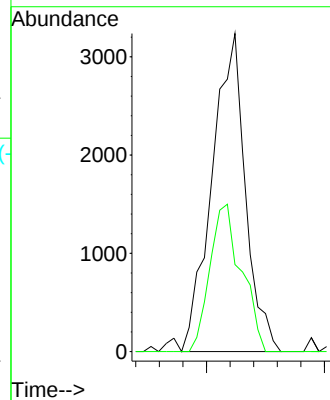
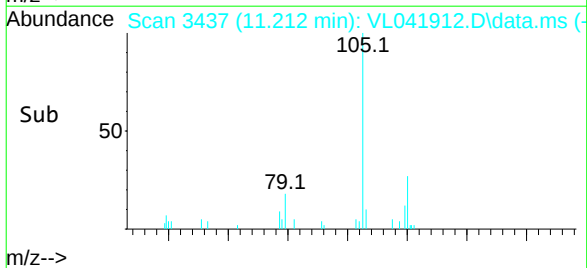
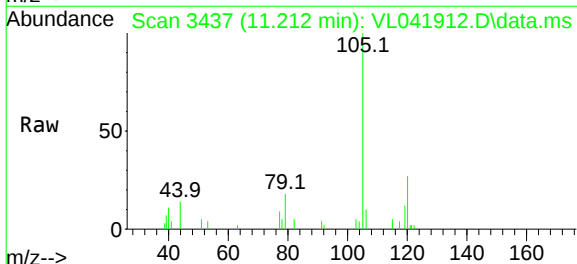
RT: 11.212 min Scan# 3437

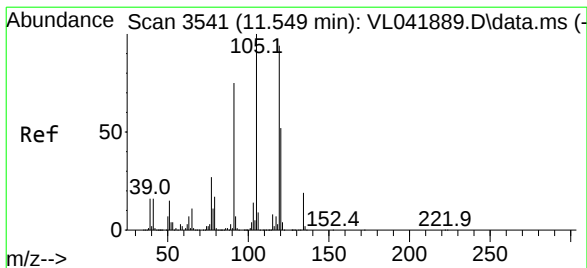
Delta R.T. -0.003 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Tgt	Ion:105	Resp:	3195
Ion	Ratio	Lower	Upper
105	100		
120	27.4	35.4	53.2#





#74

1,2,4-Trimethylbenzene

Concen: 0.072 ppbv

RT: 11.542 min Scan# 3541

Delta R.T. -0.006 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Instrument :

MSVOA_L

ClientSampleId :

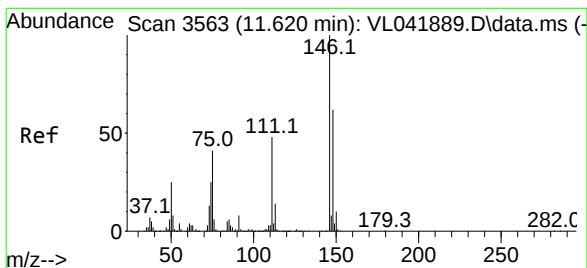
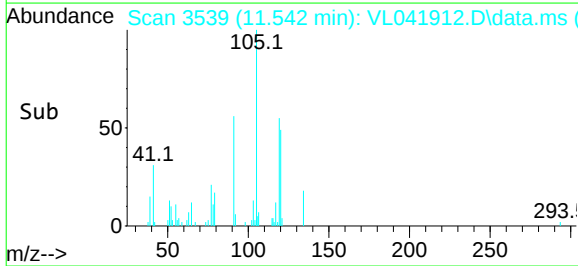
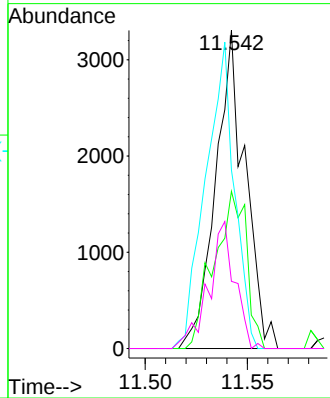
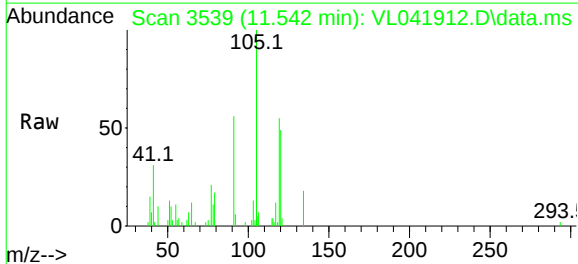
MDL 0.1

Tgt Ion:	105	Resp:	3328
Ion Ratio	Lower	Upper	
105	100		
120	53.1	41.4	62.2
91	56.1	60.2	90.2
77	21.1	22.0	33.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#75

1,3-Dichlorobenzene

Concen: 0.100 ppbv

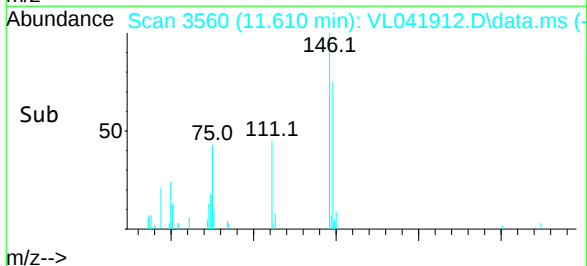
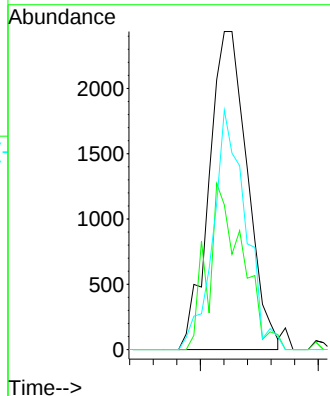
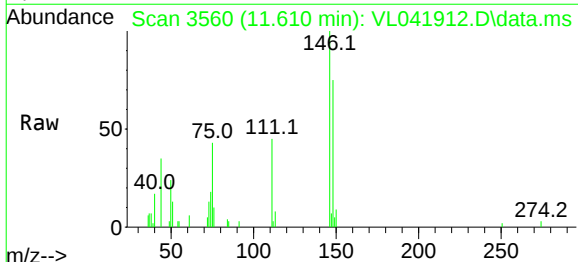
RT: 11.610 min Scan# 3560

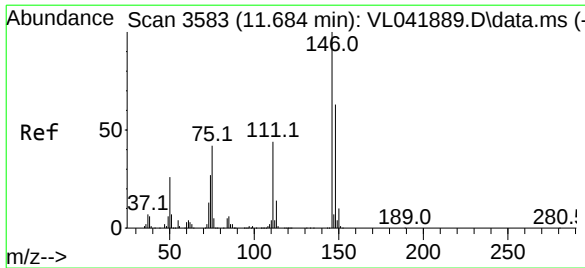
Delta R.T. -0.010 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Tgt Ion:	146	Resp:	2742
Ion Ratio	Lower	Upper	
146	100		
111	47.4	23.6	70.8
148	64.1	31.4	94.0





#76

1,4-Dichlorobenzene

Concen: 0.091 ppbv

RT: 11.678 min Scan# 3583

Delta R.T. -0.006 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Instrument :

MSVOA_L

ClientSampleId :

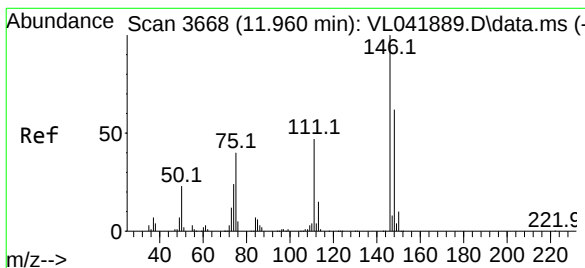
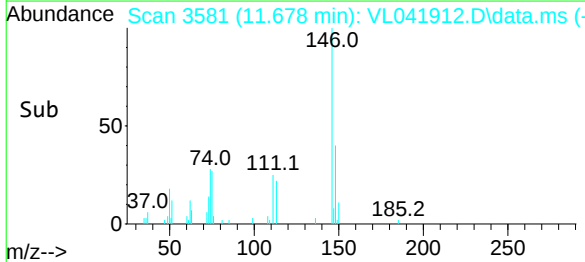
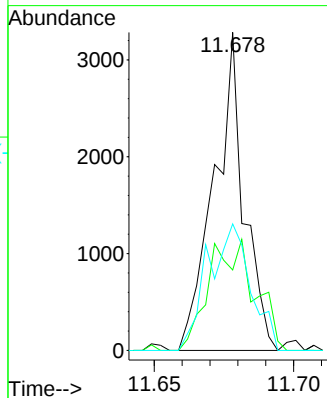
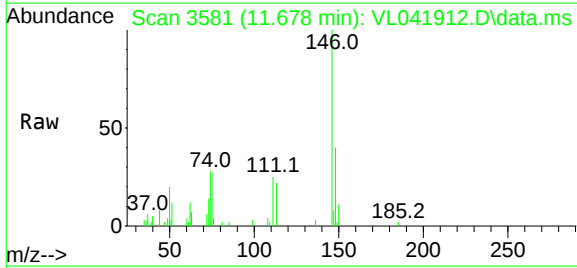
MDL 0.1

Tgt	Ion:146	Resp:	2453
Ion	Ratio	Lower	Upper
146	100		
111	53.8	22.4	67.0
148	56.7	31.9	95.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#77

1,2-Dichlorobenzene

Concen: 0.103 ppbv

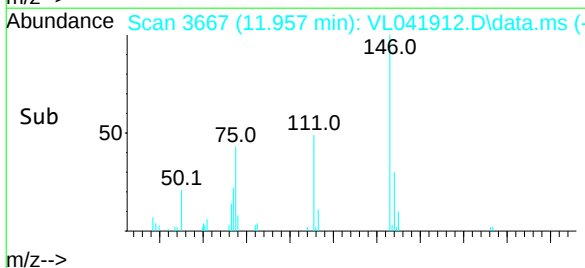
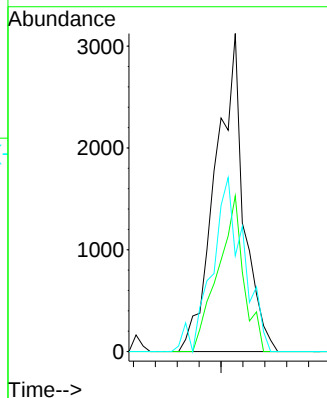
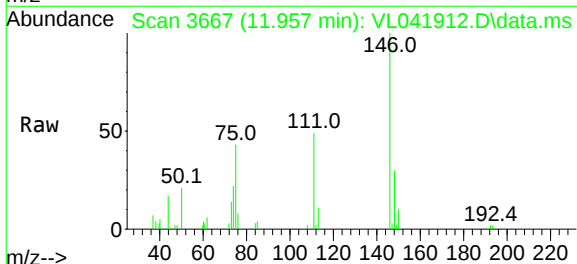
RT: 11.957 min Scan# 3667

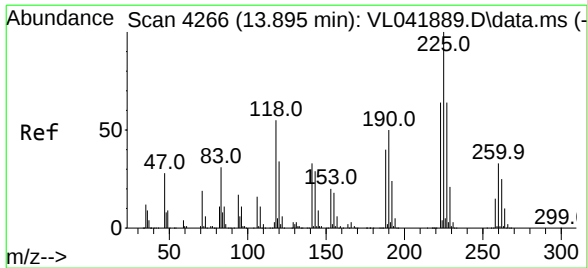
Delta R.T. -0.003 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Tgt	Ion:146	Resp:	2794
Ion	Ratio	Lower	Upper
146	100		
111	44.6	24.2	72.6
148	61.6	31.7	95.1





#78

Hexachloro-1,3-Butadiene

Concen: 0.101 ppbv

RT: 13.889 min Scan# 4266

Delta R.T. -0.006 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Instrument :

MSVOA_L

ClientSampleId :

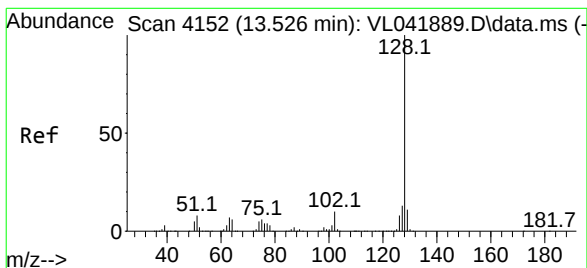
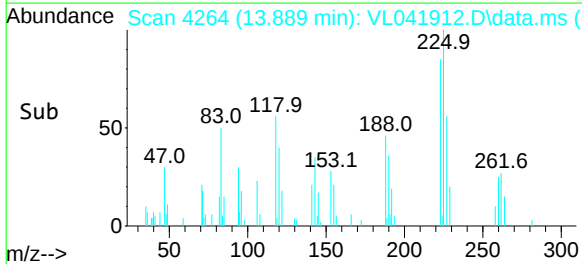
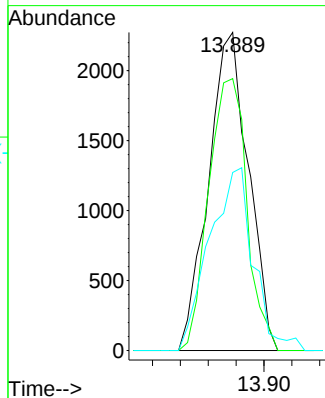
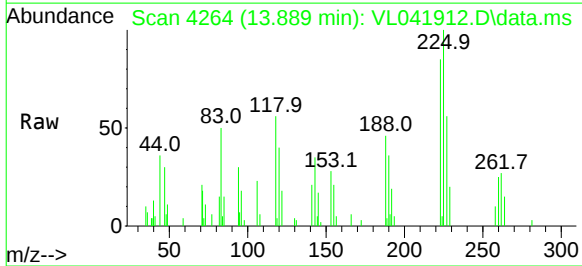
MDL 0.1

Tgt	Ion:225	Resp:	2259
Ion	Ratio	Lower	Upper
225	100		
223	81.8	50.8	76.2
227	63.1	50.3	75.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#79

Naphthalene

Concen: 0.066 ppbv

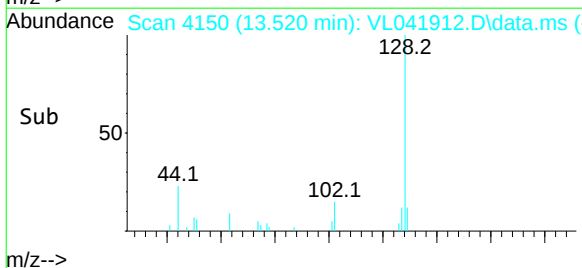
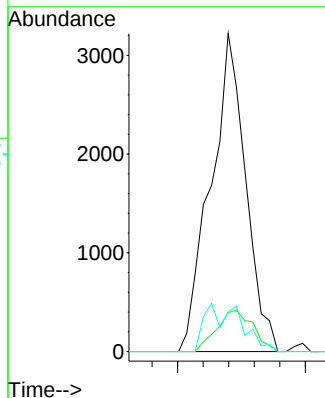
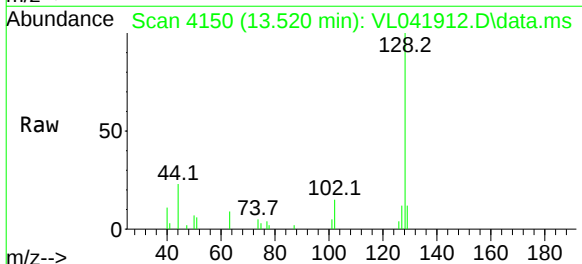
RT: 13.520 min Scan# 4150

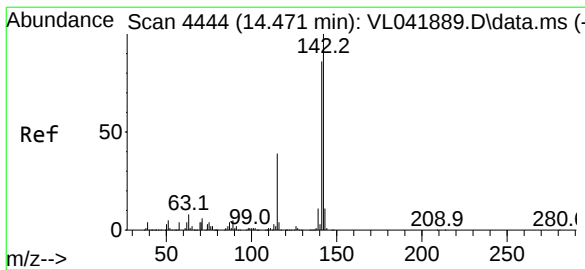
Delta R.T. -0.006 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Tgt	Ion:128	Resp:	3062
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.2	15.4
129	12.4	9.1	13.7





#80

Naphthalene, 2-methyl-

Concen: 0.040 ppbv

RT: 14.465 min Scan# 4444

Delta R.T. -0.006 min

Lab File: VL041912.D

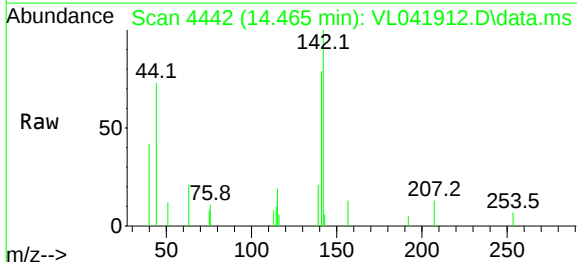
Acq: 15 Jan 2025 02:23

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.1

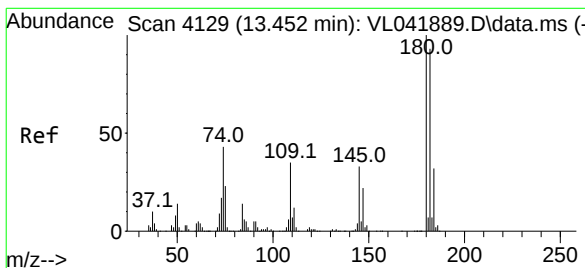
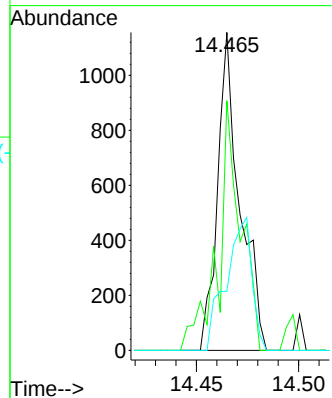
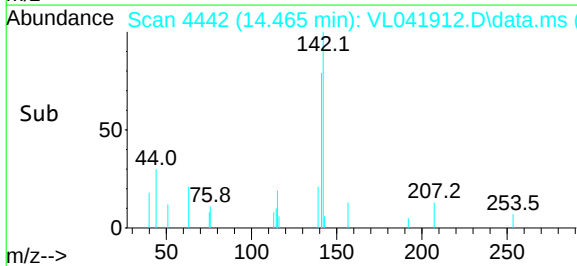


Tgt Ion:	142	Resp:	875
Ion Ratio	Lower	Upper	
142	100		
141	79.4	68.1	102.1
115	48.8	31.7	47.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#81

1,2,4-Trichlorobenzene

Concen: 0.090 ppbv

RT: 13.445 min Scan# 4127

Delta R.T. -0.006 min

Lab File: VL041912.D

Acq: 15 Jan 2025 02:23

Tgt Ion:	180	Resp:	2042
Ion Ratio	Lower	Upper	
180	100		
182	82.7	77.0	115.6
184	30.0	24.9	37.3

