

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012725\
 Data File : VL041944.D
 Acq On : 27 Jan 2025 10:05
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/30/2025
 Supervised By : Mahesh Dadoda 01/30/2025

Quant Time: Jan 28 02:32:47 2025

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

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

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

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	149075	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	415161	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	364534	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 290387 10.114 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	213119	10.496	ppbv	98
3) Chlorodifluoromethane	1.479	51	227003	10.671	ppbv	100
4) Chloromethane	1.534	50	82387	10.788	ppbv	98
5) Vinyl Chloride	1.583	62	78132	10.101	ppbv	97
6) Bromomethane	1.670	94	37894	10.279	ppbv	98
7) Chloroethane	1.706	64	33025	10.973	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	184435	10.393	ppbv	98
9) Propene	1.486	41	90955	10.380	ppbv	95
10) Heptane	4.994	43	258967	11.056	ppbv	98
11) Trichlorofluoromethane	1.881	101	205801	9.743	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.146	101	170817	10.318	ppbv	99
13) Ethanol	1.725	45	4415	6.878	ppbv	94
14) Bromoethene	1.787	108	58083	9.583	ppbv	96
15) Acetone	1.839	43	169478	9.465	ppbv	99
16) 1,3-Butadiene	1.612	39	84348	10.496	ppbv	100
17) tert-Butyl alcohol	2.046	59	207930	9.435	ppbv	98
18) 1,1-Dichloroethene	2.039	96	75629	10.136	ppbv	99
19) Isopropyl Alcohol	1.890	45	96486	9.088	ppbv	95
20) Methylene Chloride	2.065	84	64225	9.076	ppbv	98
21) Allyl Chloride	2.101	41	129597	10.453	ppbv	98
22) trans-1,2-Dichloroethene	2.347	96	87196	10.355	ppbv	97
23) Vinyl Acetate	2.470	43	73473	8.278	ppbv #	95
24) 1,1-Dichloroethane	2.415	63	168681	10.356	ppbv	99
25) Ethyl Acetate	2.845	43	533237	11.044	ppbv	99
26) Hexane	2.832	57	211315	11.066	ppbv	97
27) Carbon Disulfide	2.156	76	205971	10.900	ppbv	97
28) Methyl tert-Butyl Ether	2.447	73	111584	7.645	ppbv	100
29) Chloroform	2.858	83	326439	10.814	ppbv	99
30) Cyclohexane	3.871	84	176628	10.664	ppbv	100
31) cis-1,2-Dichloroethene	2.729	61	205197	10.205	ppbv	93
32) 1,1,1-Trichloroethane	3.379	97	312255	10.810	ppbv	99
34) 2-Butanone	2.564	43	303997	11.514	ppbv	99
35) Carbon Tetrachloride	3.774	117	316836	12.150	ppbv	99
36) Benzene	3.667	78	432961	11.370	ppbv	97
37) 1,2-Dichloroethane	3.227	62	240456	11.244	ppbv	99
38) Trichloroethene	4.564	130	167416	11.079	ppbv	97
39) 1,2-Dichloropropane	4.324	63	148143	11.091	ppbv	98
40) 1,4-Dioxane	4.596	88	69928	10.367	ppbv #	99
41) Tetrahydrofuran	3.065	42	170732	11.899	ppbv	99
42) Bromodichloromethane	4.502	83	334591	11.669	ppbv	96
43) Methyl Methacrylate	4.897	69	156013	11.029	ppbv	98
44) 2,2,4-Trimethylpentane	4.655	57	717998	11.658	ppbv	99
45) t-1,3-Dichloropropene	6.435	75	147450	11.136	ppbv	99

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Quant Time: Jan 28 02:32:47 2025

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

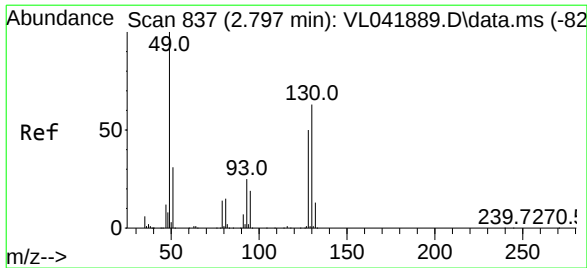
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	202424	11.644	ppbv	99
47) 1,1,2-Trichloroethane	6.597	97	164305	11.606	ppbv	97
48) Dibromochloromethane	7.399	129	262942	12.038	ppbv	100
49) Bromoform	9.493	173	216634	12.074	ppbv	99
50) 4-Methyl-2-Pentanone	5.771	43	410655	11.394	ppbv	100
51) 2-Hexanone	7.451	43	319063	11.521	ppbv #	98
52) Tetrachloroethene	8.238	164	137364	10.404	ppbv	98
53) Toluene	6.946	91	475146	11.456	ppbv	99
54) 1,2-Dibromoethane	7.668	107	224086	11.514	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.937	131	211703	11.640	ppbv	99
57) Chlorobenzene	8.933	112	376929	11.210	ppbv	97
58) Ethyl Benzene	9.364	91	655579	11.507	ppbv	99
59) m/p-Xylene	9.561	91	1069261m	23.416	ppbv	
60) o-Xylene	9.972	91	536013	11.826	ppbv	99
61) Styrene	9.882	104	240993	11.853	ppbv	100
62) Isopropylbenzene	10.548	105	806301	11.496	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	339396	11.718	ppbv	99
64) n-propylbenzene	10.998	120	209670	11.831	ppbv	98
65) tert-Butylbenzene	11.542	119	733219	11.472	ppbv	100
66) Benzyl Chloride	11.626	91	42157	10.656	ppbv	97
67) sec-Butylbenzene	11.778	105	1007276	11.445	ppbv	100
69) p-Isopropyltoluene	11.937	119	838003	11.563	ppbv	99
70) n-Butylbenzene	12.290	91	822628	11.445	ppbv	100
71) 2-Chlorotoluene	10.911	91	593791	11.445	ppbv	100
72) 4-Ethyltoluene	11.134	105	639849	11.802	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	552715	11.544	ppbv	94
74) 1,2,4-Trimethylbenzene	11.545	105	595508	11.485	ppbv	96
75) 1,3-Dichlorobenzene	11.617	146	342543	11.149	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	337079	11.213	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	339752	11.157	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	238004	9.523	ppbv	99
79) Naphthalene	13.523	128	531745	10.186	ppbv	99
80) Naphthalene,2-methyl-	14.468	142	172526	6.970	ppbv	99
81) 1,2,4-Trichlorobenzene	13.452	180	242148	9.503	ppbv	99

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



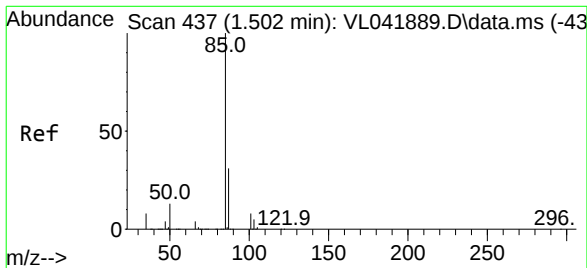
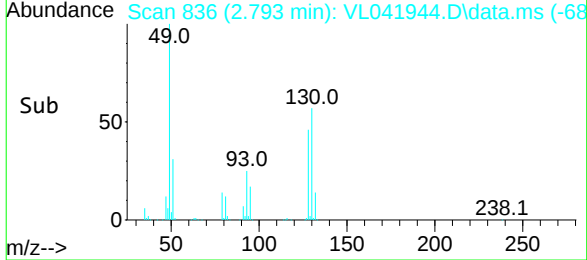
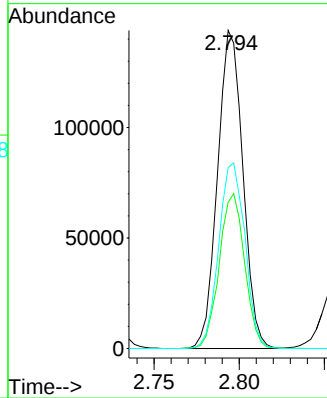
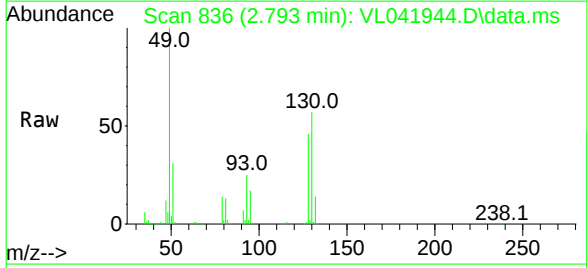
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 837
Delta R.T. -0.004 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 149075
Ion Ratio Lower Upper
49 100
128 48.8 24.3 73.0
130 60.3 31.1 93.2

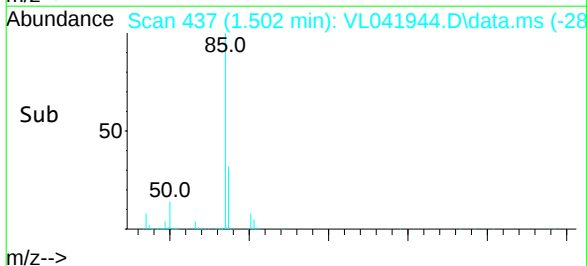
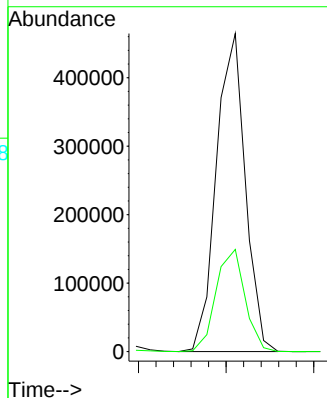
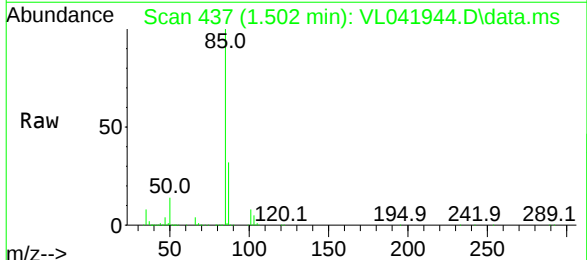
Manual Integrations
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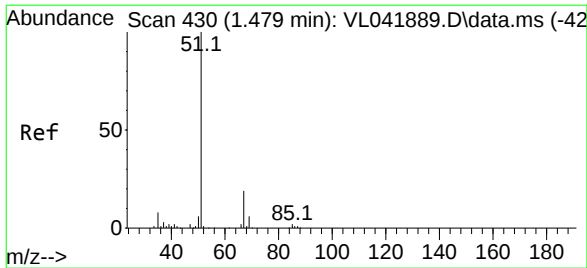
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#2
Dichlorodifluoromethane
Concen: 10.496 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Tgt Ion: 85 Resp: 213119
Ion Ratio Lower Upper
85 100
87 32.1 24.9 37.3





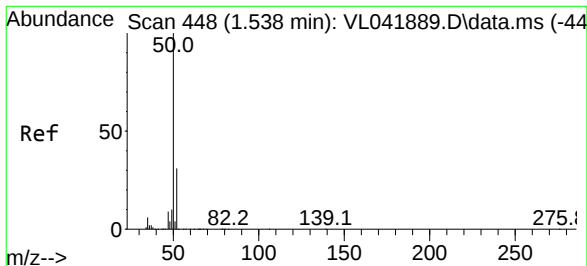
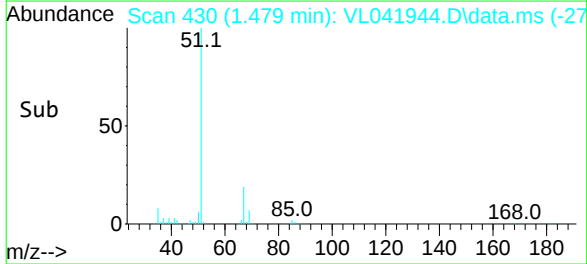
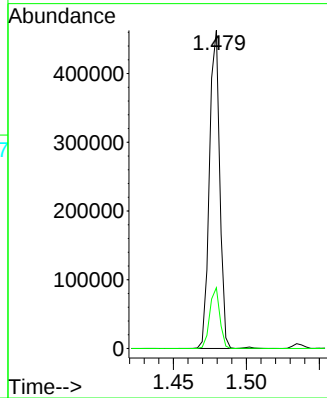
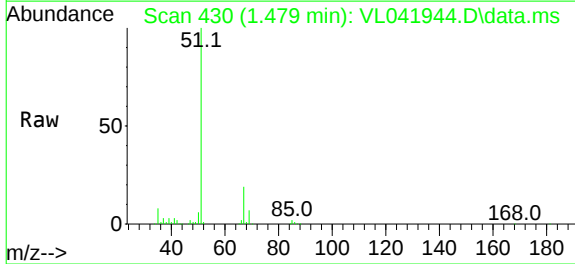
#3
Chlorodifluoromethane
Concen: 10.671 ppbv
RT: 1.479 min Scan# 430
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 227003
Ion Ratio Lower Upper
51 100
67 18.8 15.0 22.4

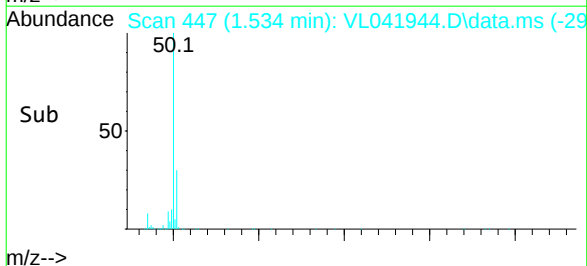
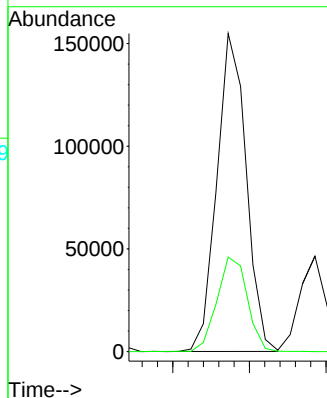
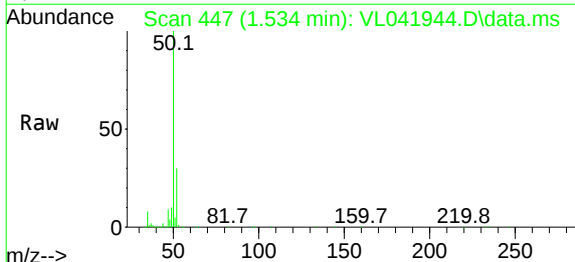
Manual Integrations
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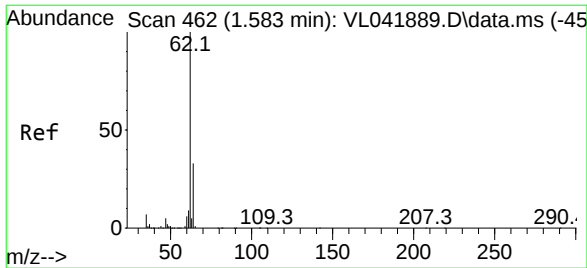
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#4
Chloromethane
Concen: 10.788 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

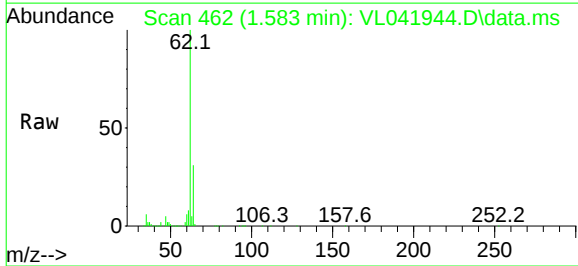
Tgt Ion: 50 Resp: 82387
Ion Ratio Lower Upper
50 100
52 29.6 24.6 36.8





#5
 Vinyl Chloride
 Concen: 10.101 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL041944.D
 Acq: 27 Jan 2025 10:05

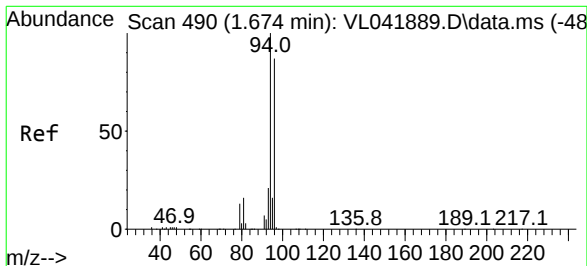
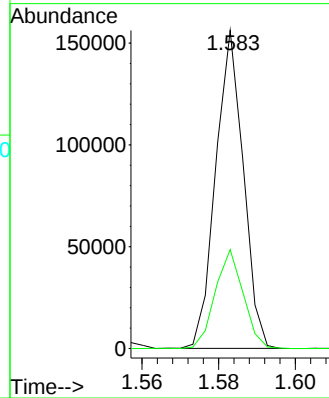
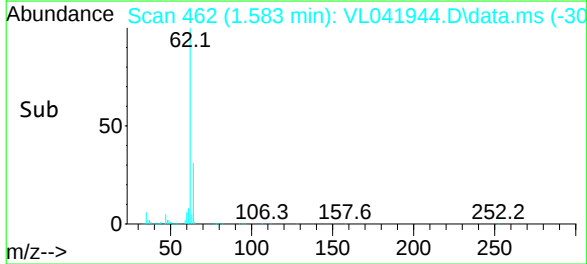
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



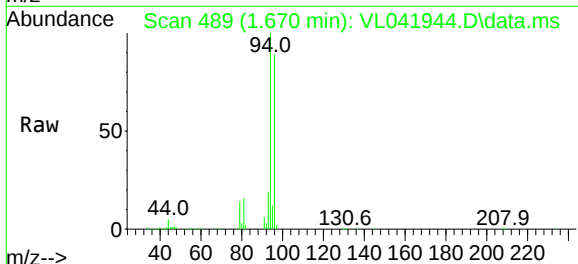
Tgt Ion: 62 Resp: 78132
 Ion Ratio Lower Upper
 62 100
 64 31.1 26.1 39.1

Manual Integrations
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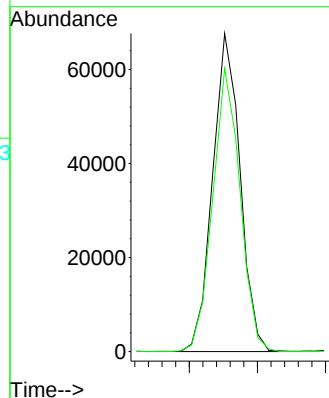
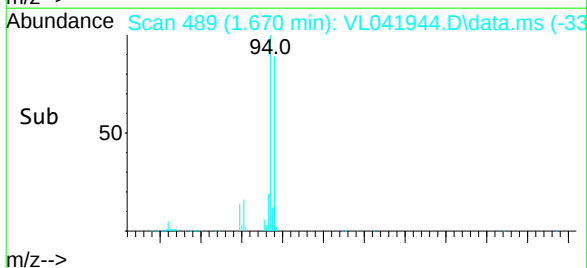
Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025

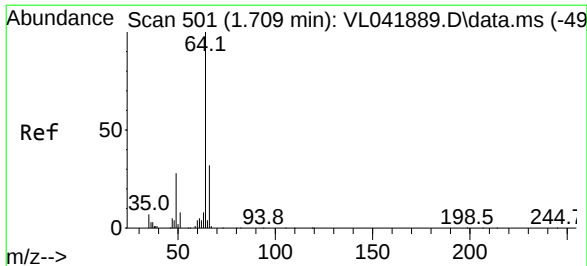


#6
 Bromomethane
 Concen: 10.279 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL041944.D
 Acq: 27 Jan 2025 10:05



Tgt Ion: 94 Resp: 37894
 Ion Ratio Lower Upper
 94 100
 96 89.0 69.5 104.3





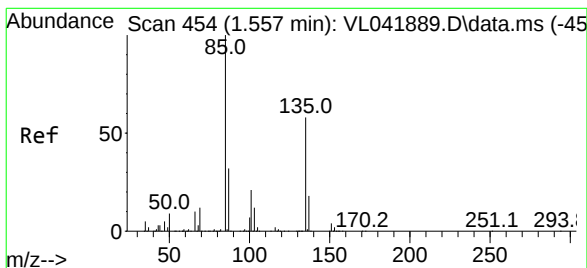
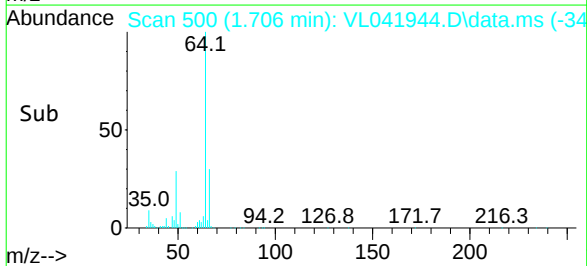
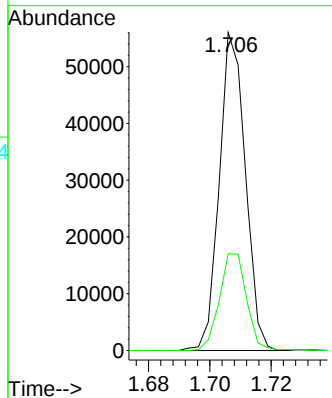
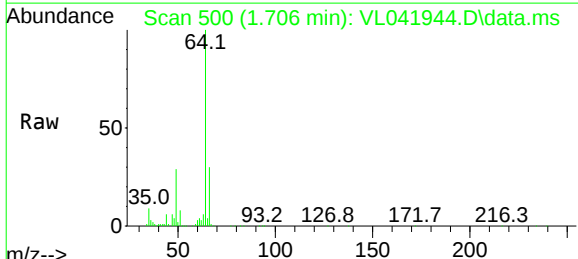
#7
Chloroethane
Concen: 10.973 ppbv
RT: 1.706 min Scan# 501
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 33025
Ion Ratio Lower Upper
64 100
66 30.4 25.7 38.5

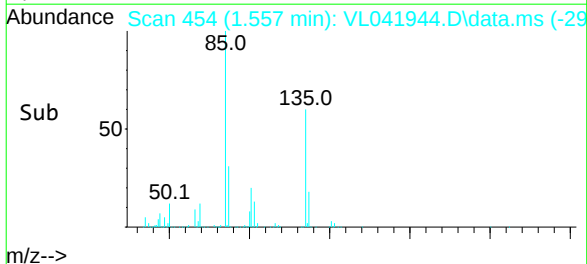
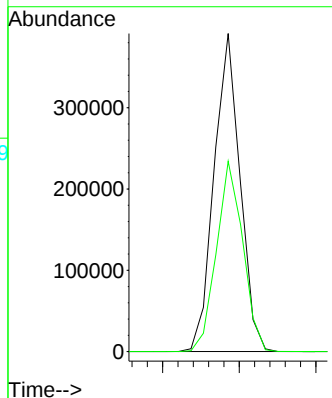
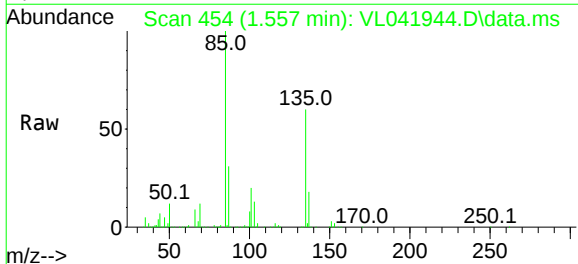
Manual Integrations
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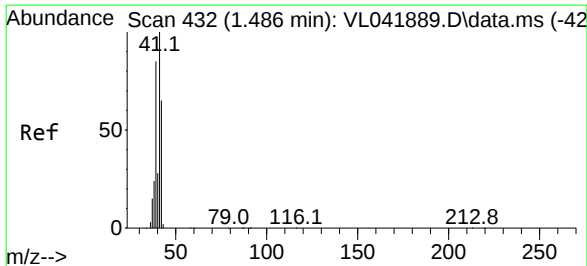
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#8
Dichlorotetrafluoroethane
Concen: 10.393 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Tgt Ion: 85 Resp: 184435
Ion Ratio Lower Upper
85 100
135 60.8 50.0 75.0





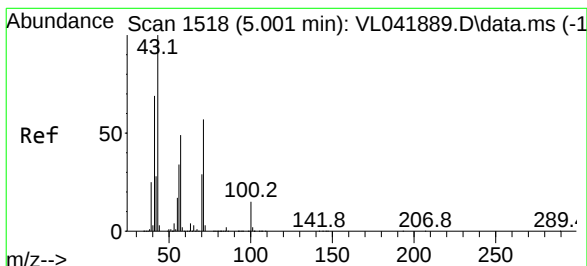
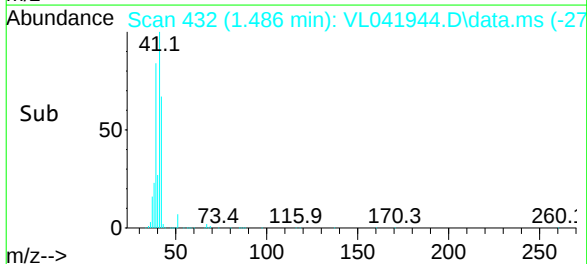
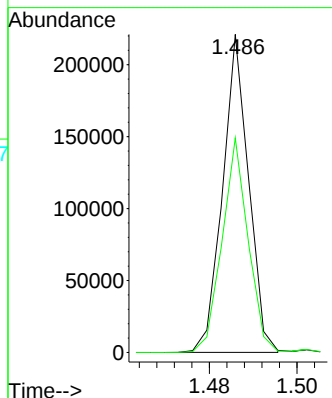
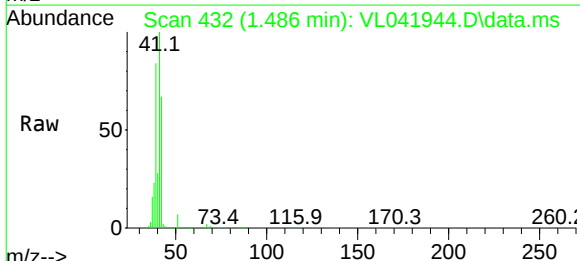
#9
Propene
Concen: 10.380 ppbv
RT: 1.486 min Scan# 43
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 90955
Ion Ratio Lower Upper
41 100
42 68.6 52.0 78.0

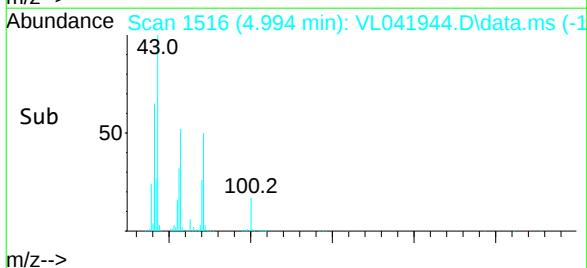
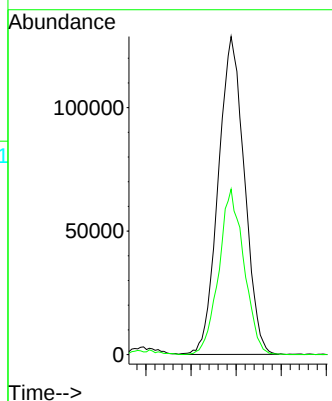
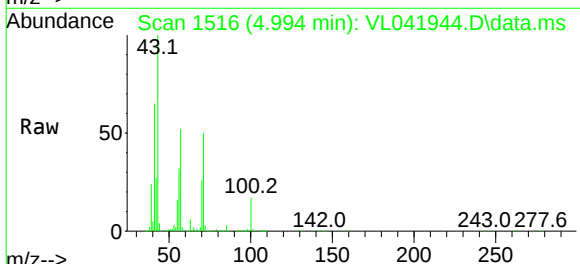
Manual Integrations
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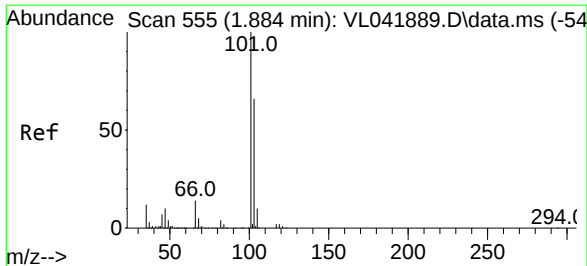
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#10
Heptane
Concen: 11.056 ppbv
RT: 4.994 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

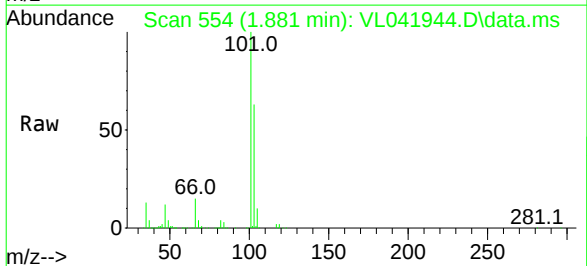
Tgt Ion: 43 Resp: 258967
Ion Ratio Lower Upper
43 100
57 50.1 41.0 61.4





#11
Trichlorofluoromethane
Concen: 9.743 ppbv
RT: 1.881 min Scan# 555
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

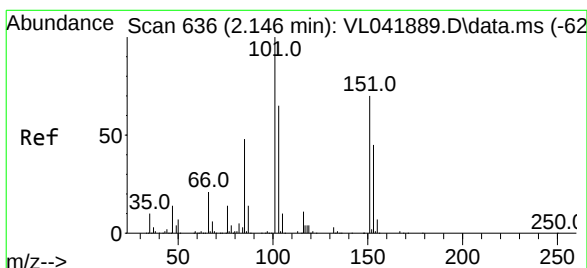
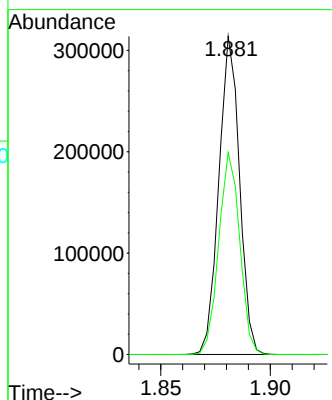
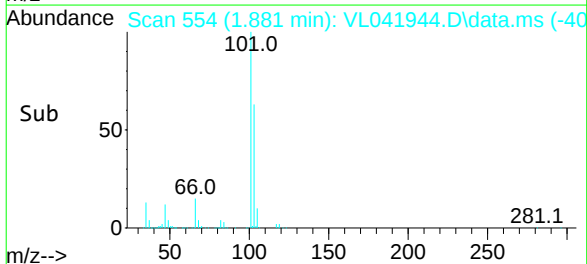
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:101 Resp: 205801
Ion Ratio Lower Upper
101 100
103 63.5 53.1 79.7

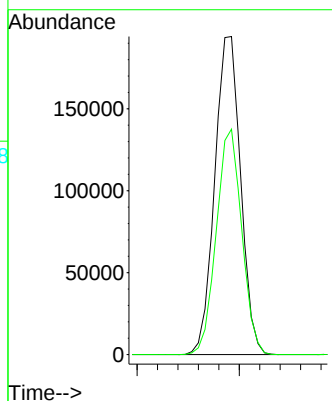
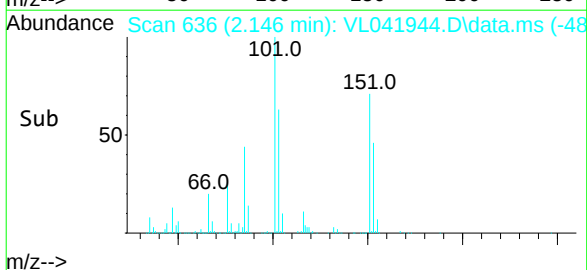
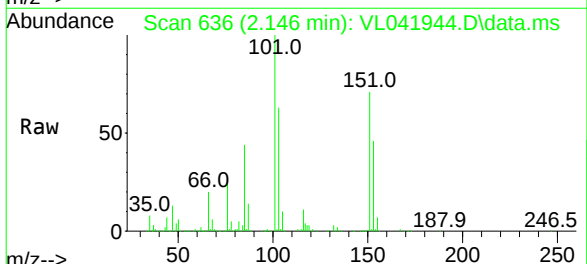
Manual Integrations
APPROVED

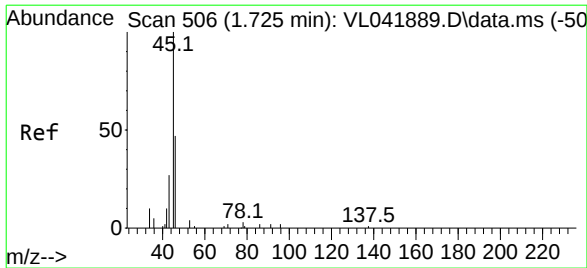
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.318 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

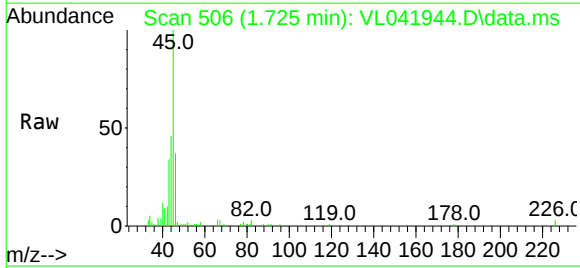
Tgt Ion:101 Resp: 170817
Ion Ratio Lower Upper
101 100
151 69.5 56.1 84.1





#13
Ethanol
Concen: 6.878 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

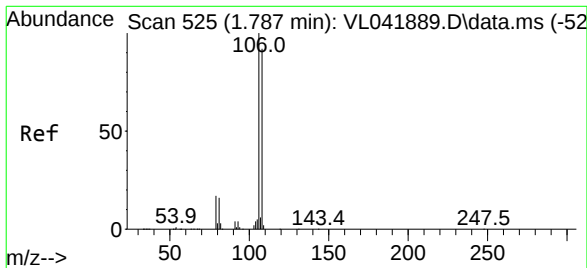
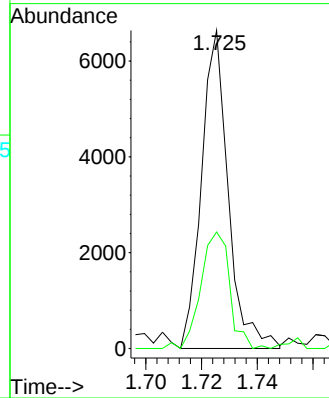
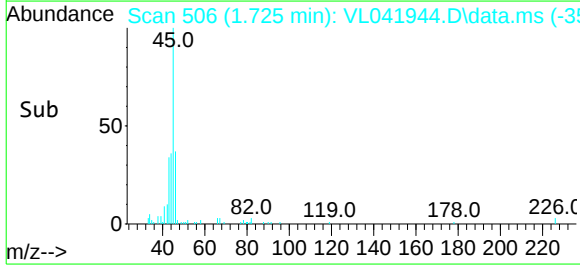
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



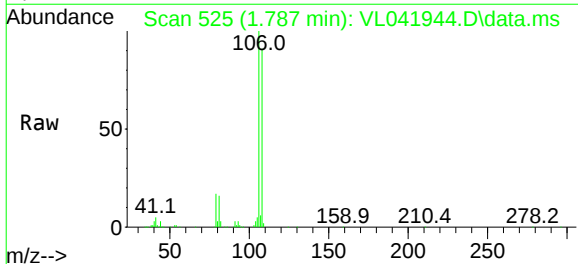
Tgt Ion: 45 Resp: 4415
Ion Ratio Lower Upper
45 100
46 41.4 18.1 72.5

Manual Integrations
APPROVED

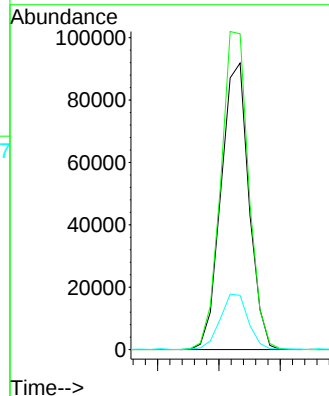
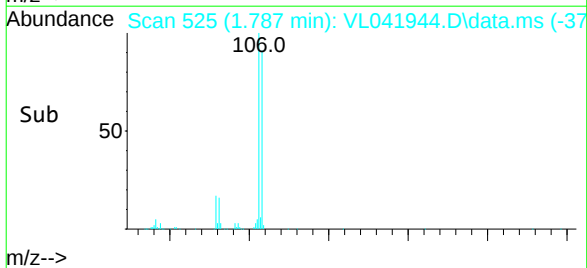
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

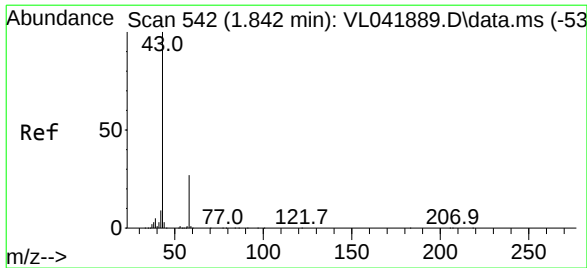


#14
Bromoethene
Concen: 9.583 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05



Tgt Ion:108 Resp: 58083
Ion Ratio Lower Upper
108 100
106 111.4 85.5 128.3
79 20.2 15.3 22.9





#15

Acetone

Concen: 9.465 ppbv

RT: 1.839 min Scan# 54

Delta R.T. -0.003 min

Lab File: VL041944.D

Acq: 27 Jan 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 169478

Ion Ratio Lower Upper

43 100

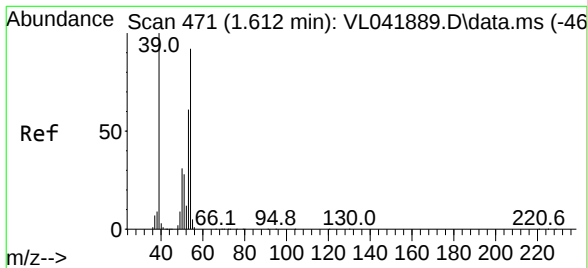
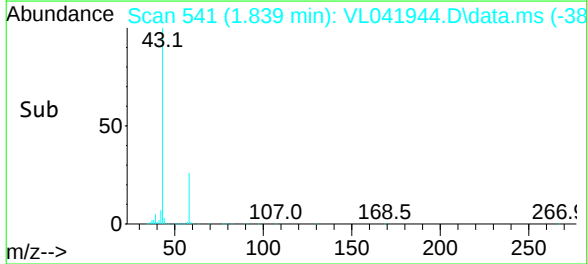
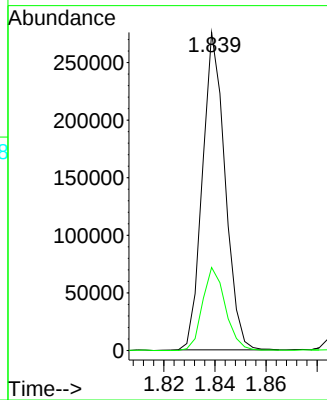
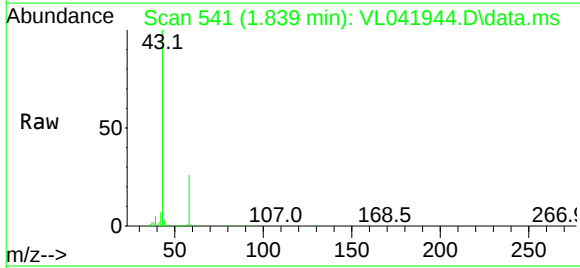
58 26.6 21.9 32.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025

Supervised By :Mahesh Dadoda 01/30/2025



#16

1,3-Butadiene

Concen: 10.496 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.000 min

Lab File: VL041944.D

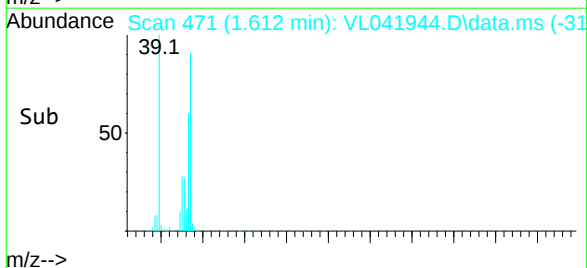
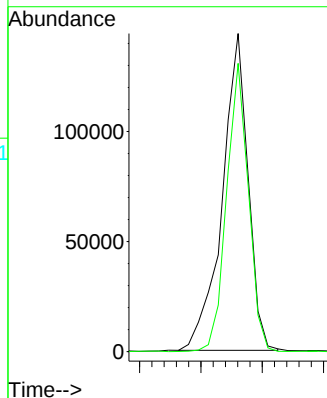
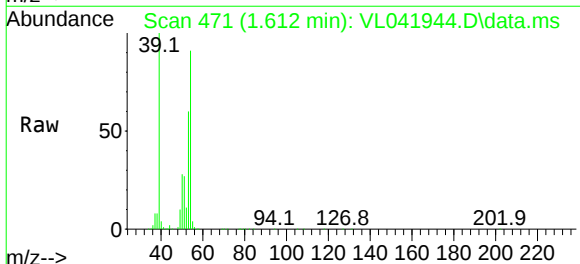
Acq: 27 Jan 2025 10:05

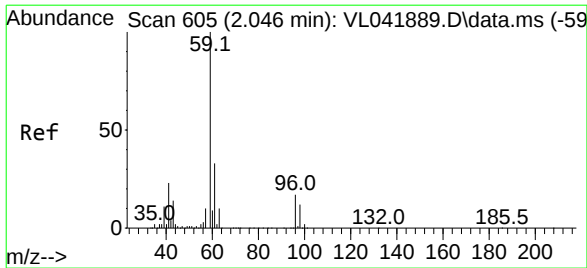
Tgt Ion: 39 Resp: 84348

Ion Ratio Lower Upper

39 100

54 76.9 61.6 92.4





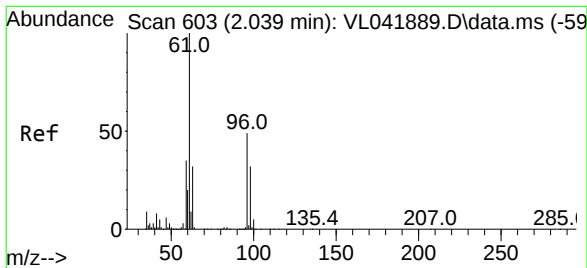
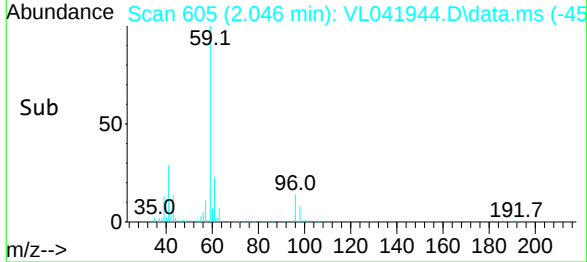
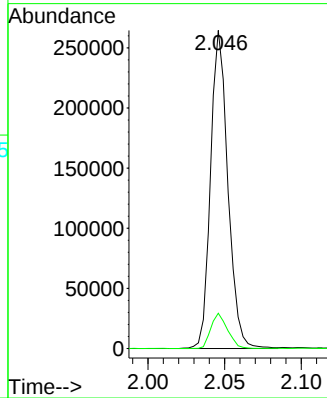
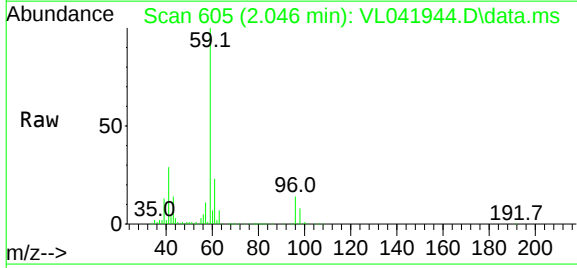
#17
tert-Butyl alcohol
Concen: 9.435 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 207936
Ion Ratio Lower Upper
59 100
57 10.7 7.8 11.8

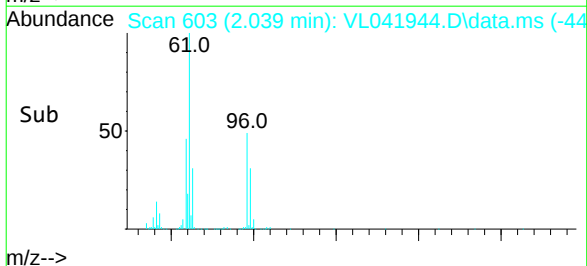
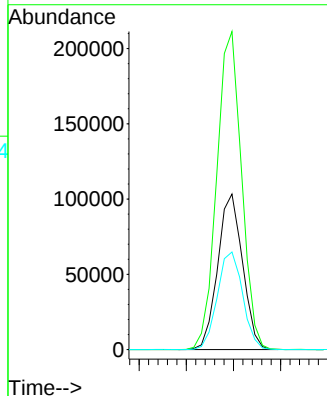
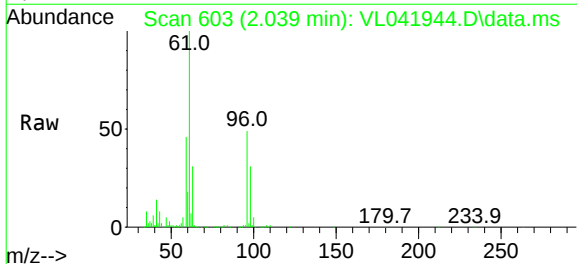
Manual Integrations
APPROVED

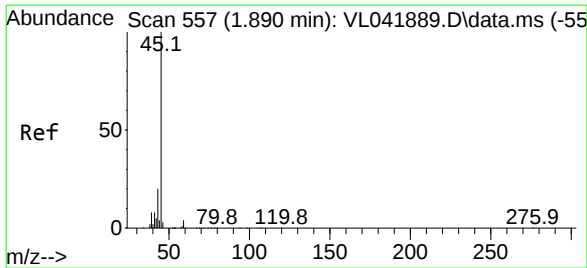
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#18
1,1-Dichloroethene
Concen: 10.136 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Tgt Ion: 96 Resp: 75629
Ion Ratio Lower Upper
96 100
61 204.4 163.1 244.7
98 62.7 52.7 79.1





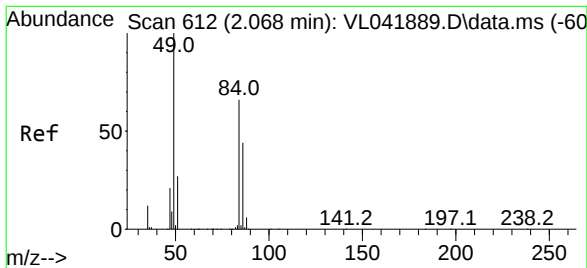
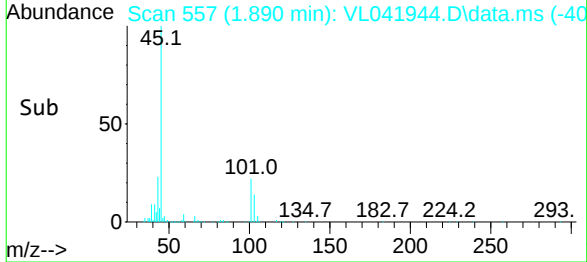
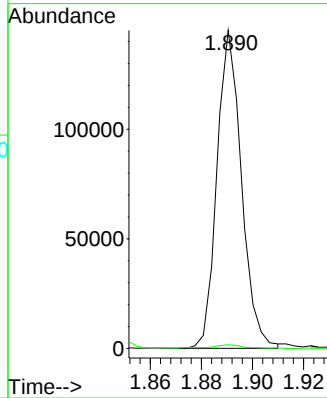
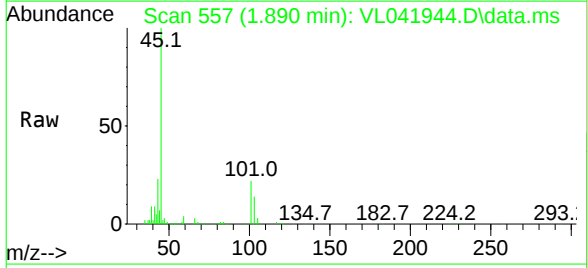
#19
Isopropyl Alcohol
Concen: 9.088 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 96486
Ion Ratio Lower Upper
45 100
58 46.8 35.0 52.6

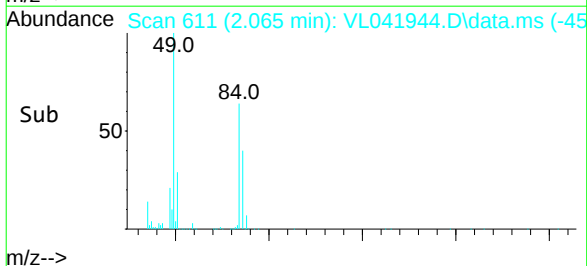
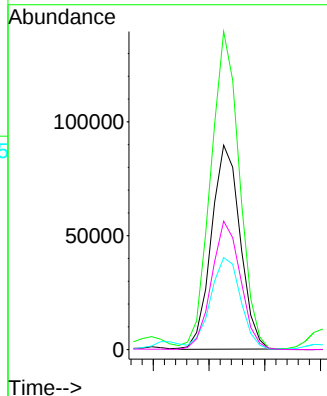
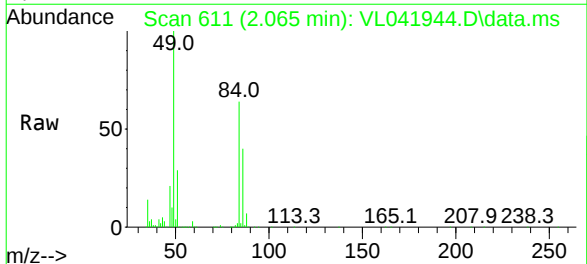
Manual Integrations
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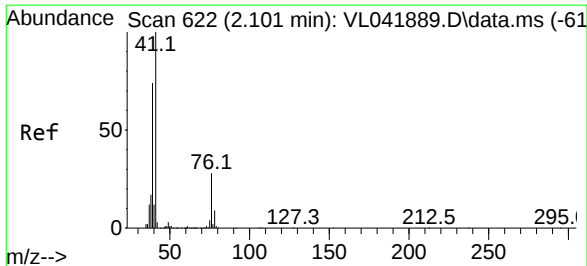
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#20
Methylene Chloride
Concen: 9.076 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Tgt Ion: 84 Resp: 64225
Ion Ratio Lower Upper
84 100
49 155.5 123.1 184.7
51 44.9 35.8 53.8
86 62.9 53.7 80.5





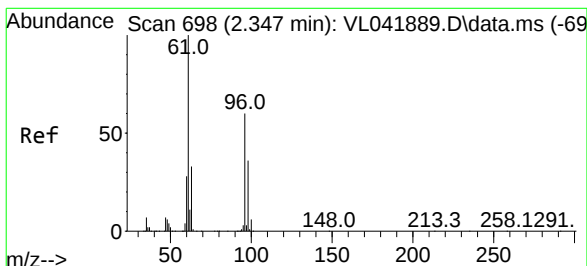
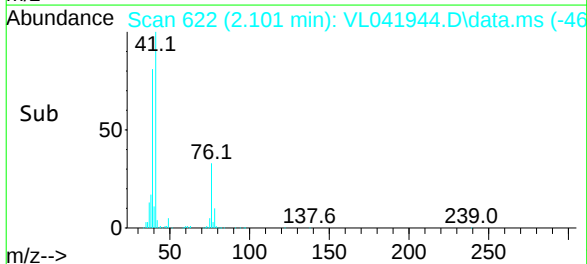
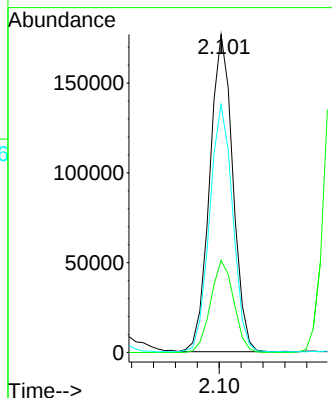
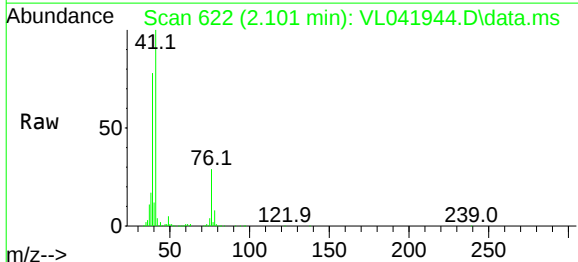
#21
 Allyl Chloride
 Concen: 10.453 ppbv
 RT: 2.101 min Scan# 621
 Delta R.T. 0.000 min
 Lab File: VL041944.D
 Acq: 27 Jan 2025 10:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:	41	Resp:	129597
Ion	Ratio	Lower	Upper
41	100		
76	29.0	24.2	36.4
39	77.9	60.6	91.0

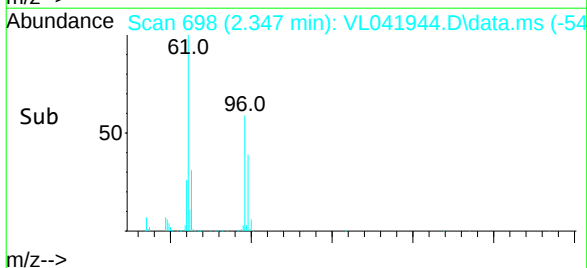
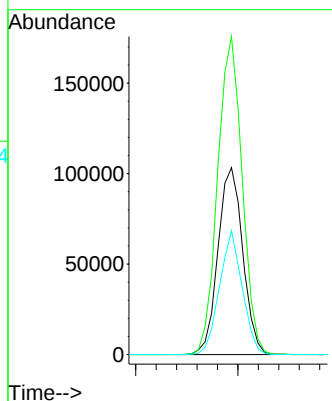
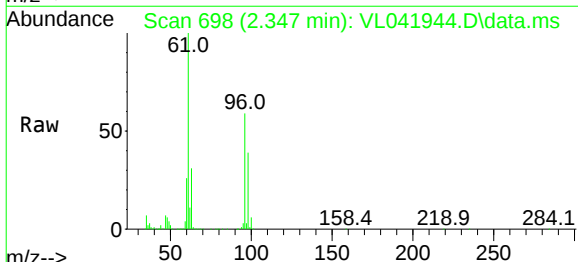
Manual Integrations
 APPROVED

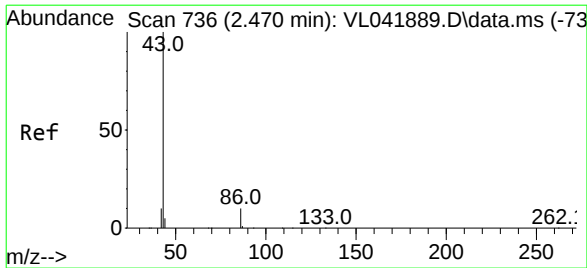
Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025



#22
 trans-1,2-Dichloroethene
 Concen: 10.355 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.000 min
 Lab File: VL041944.D
 Acq: 27 Jan 2025 10:05

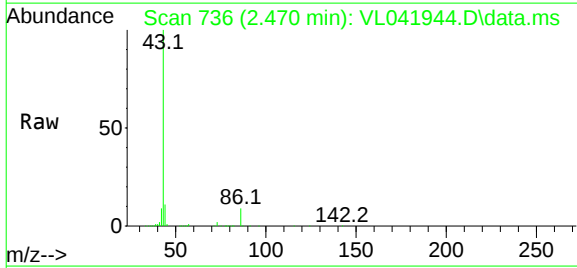
Tgt Ion:	96	Resp:	87196
Ion	Ratio	Lower	Upper
96	100		
61	170.1	134.5	201.7
98	66.4	48.9	73.3





#23
 Vinyl Acetate
 Concen: 8.278 ppbv
 RT: 2.470 min Scan# 736
 Delta R.T. 0.000 min
 Lab File: VL041944.D
 Acq: 27 Jan 2025 10:05

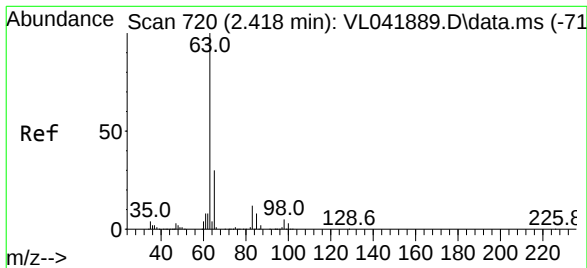
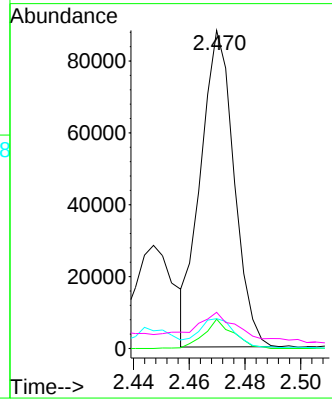
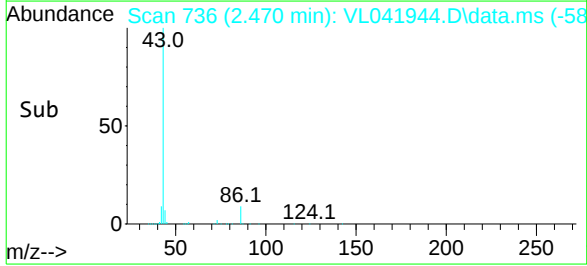
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



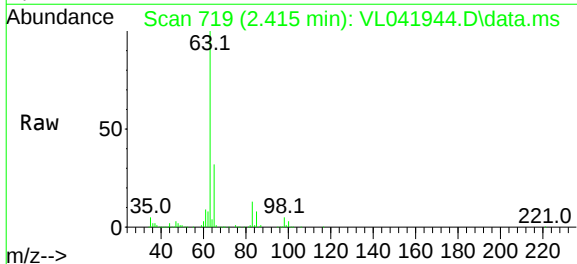
Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.3	6.2	9.4
42	9.1	8.5	12.7
44	8.3	4.8	7.2

Manual Integrations
 APPROVED

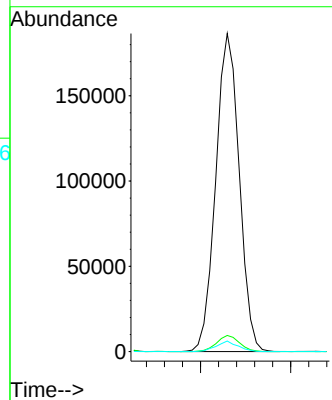
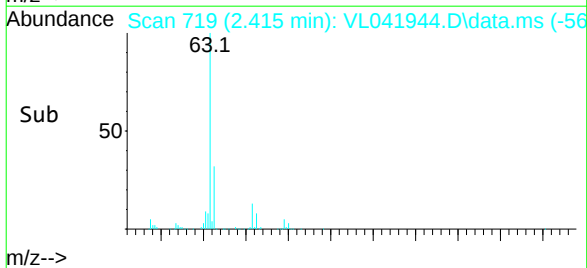
Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025

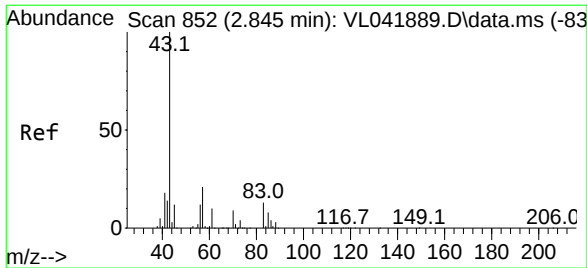


#24
 1,1-Dichloroethane
 Concen: 10.356 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL041944.D
 Acq: 27 Jan 2025 10:05



Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.6	7.8
100	3.3	1.4	4.2





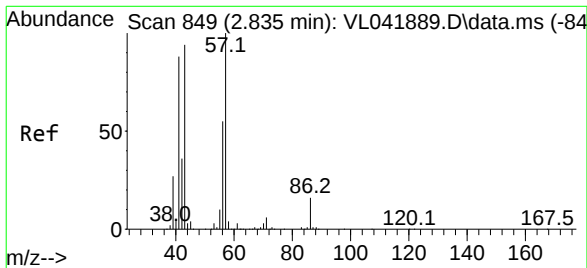
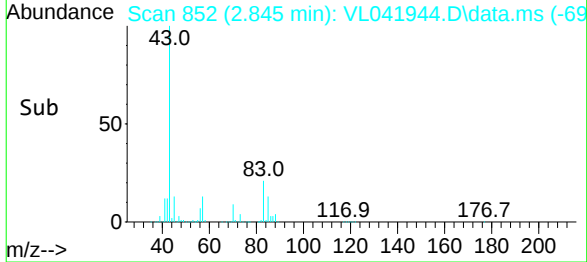
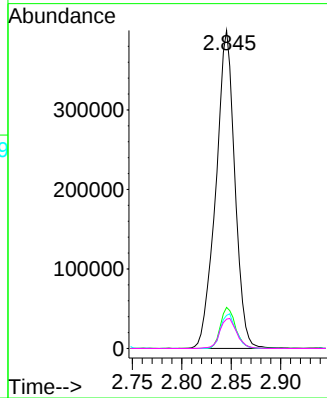
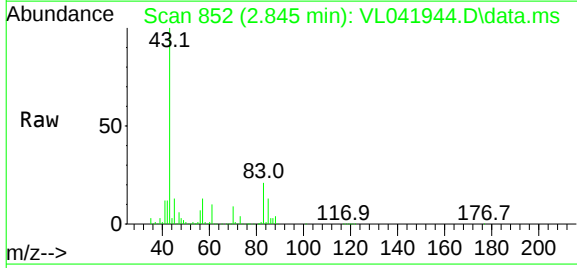
#25
Ethyl Acetate
Concen: 11.044 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43	Resp: 533237
Ion Ratio	Lower Upper
43 100	
45 10.4	8.2 12.2
61 9.0	7.4 11.0
70 8.5	7.0 10.4

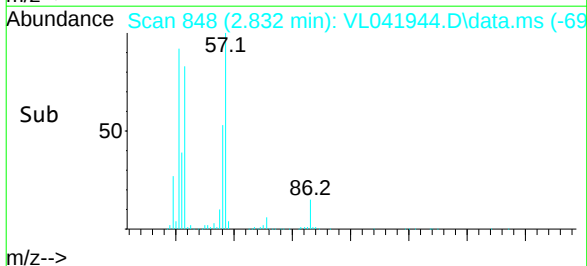
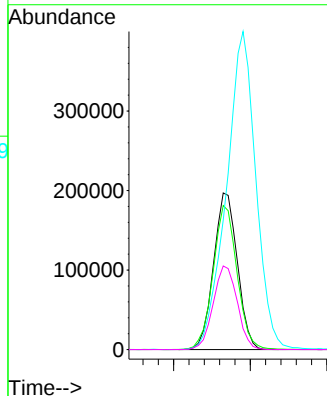
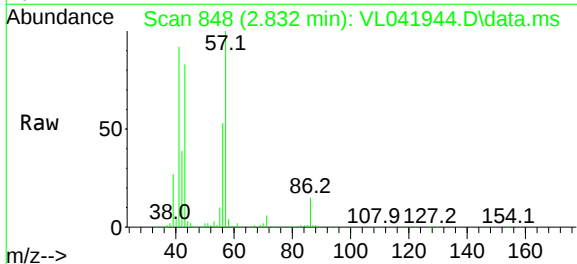
Manual Integrations
APPROVED

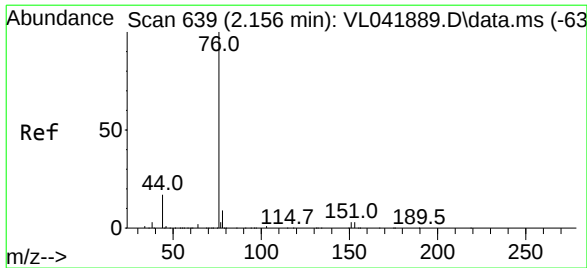
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#26
Hexane
Concen: 11.066 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Tgt Ion: 57	Resp: 211315
Ion Ratio	Lower Upper
57 100	
41 93.9	73.8 110.8
43 252.6	197.3 295.9
56 54.2	42.7 64.1





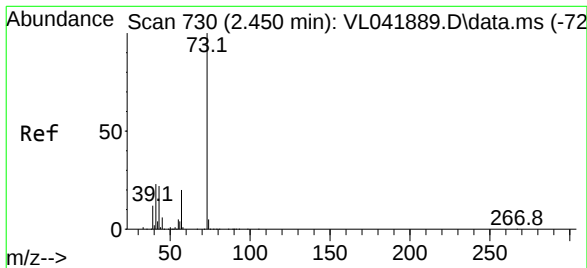
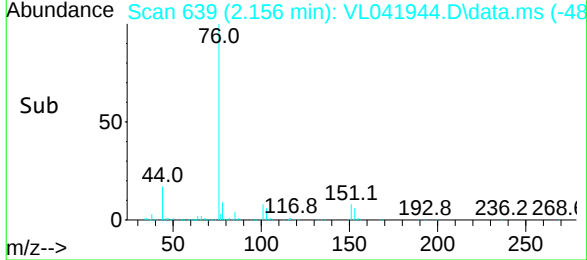
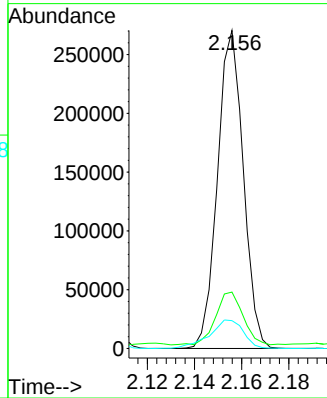
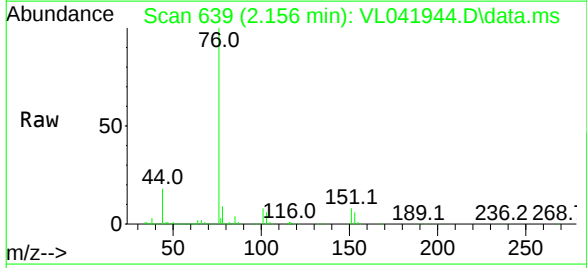
#27
Carbon Disulfide
Concen: 10.900 ppbv
RT: 2.156 min Scan# 639
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 205971
Ion Ratio Lower Upper
76 100
44 17.4 15.4 23.0
78 11.8 9.3 13.9

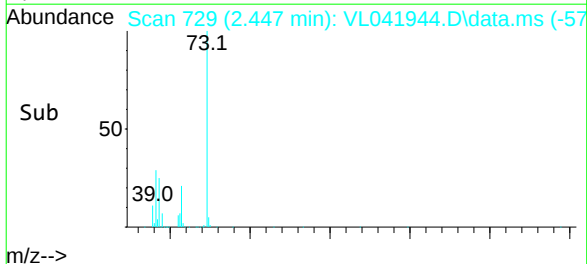
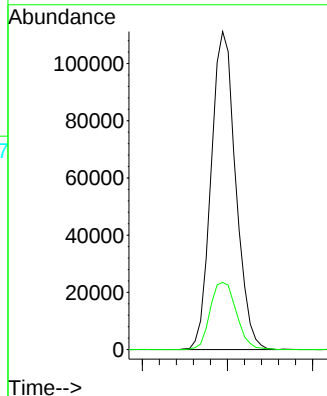
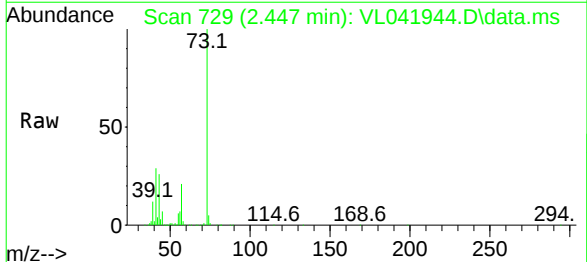
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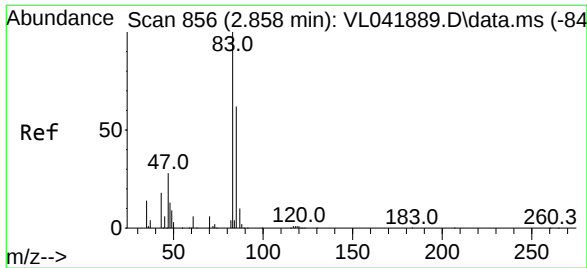
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#28
Methyl tert-Butyl Ether
Concen: 7.645 ppbv
RT: 2.447 min Scan# 729
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Tgt Ion: 73 Resp: 111584
Ion Ratio Lower Upper
73 100
57 22.5 18.1 27.1





#29

Chloroform

Concen: 10.814 ppbv

RT: 2.858 min Scan# 85

Delta R.T. 0.000 min

Lab File: VL041944.D

Acq: 27 Jan 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 326439

Ion Ratio Lower Upper

83 100

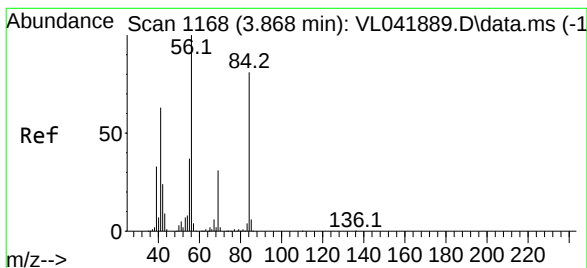
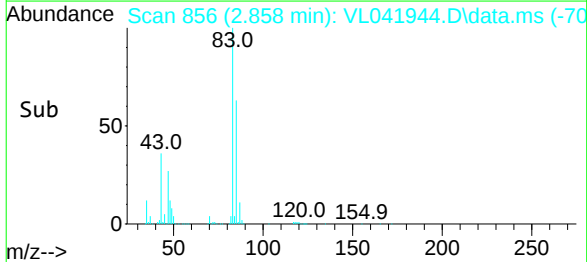
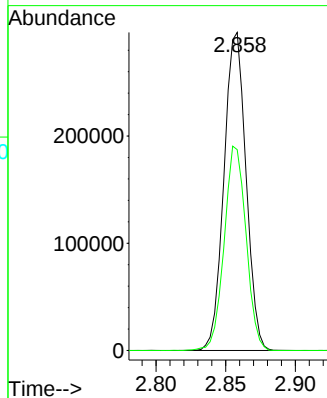
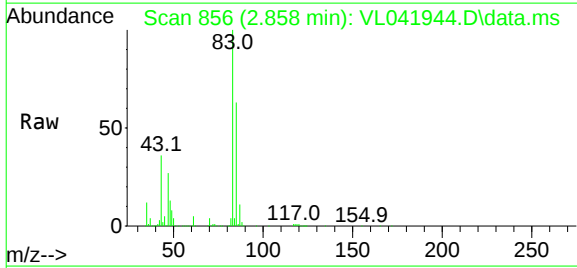
85 63.1 50.1 75.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/30/2025

Supervised By :Mahesh Dadoda 01/30/2025



#30

Cyclohexane

Concen: 10.664 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. 0.003 min

Lab File: VL041944.D

Acq: 27 Jan 2025 10:05

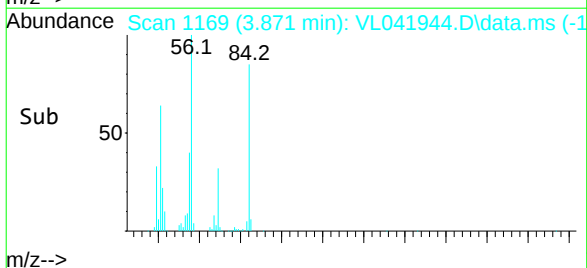
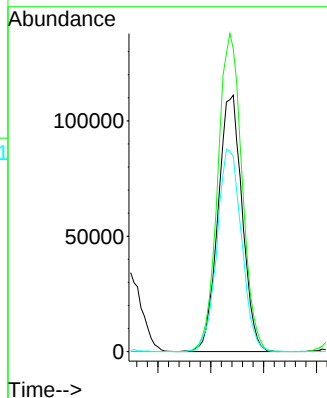
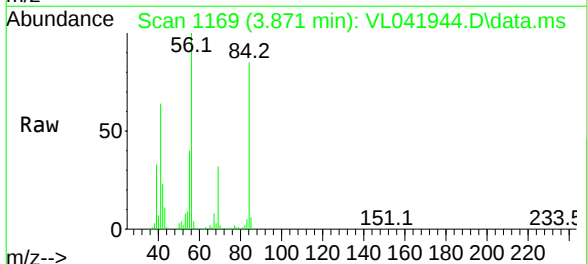
Tgt Ion: 84 Resp: 176628

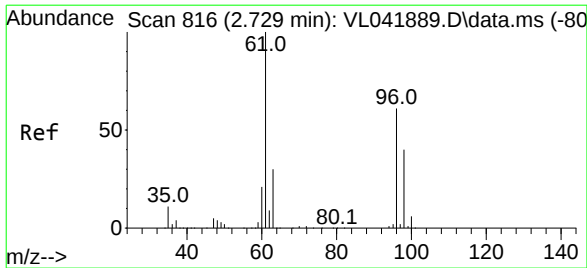
Ion Ratio Lower Upper

84 100

56 124.2 99.3 148.9

41 80.5 64.3 96.5





#31

cis-1,2-Dichloroethene

Concen: 10.205 ppbv

RT: 2.729 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041944.D

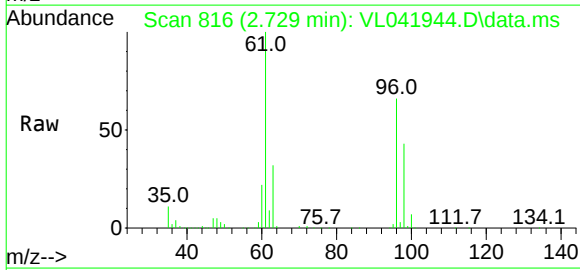
Acq: 27 Jan 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

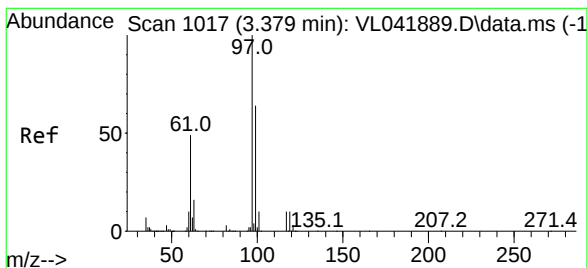
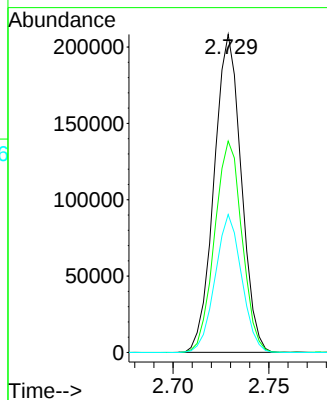
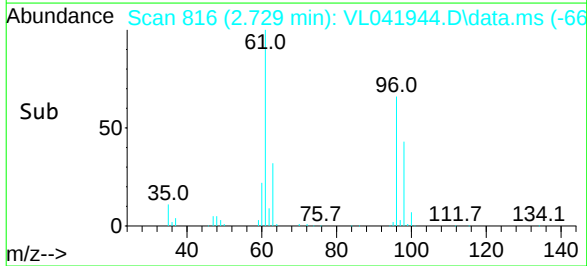


Tgt Ion:	61	Resp:	205197
Ion	Ratio	Lower	Upper
61	100		
96	66.5	48.7	73.1
98	43.4	31.6	47.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#32

1,1,1-Trichloroethane

Concen: 10.810 ppbv

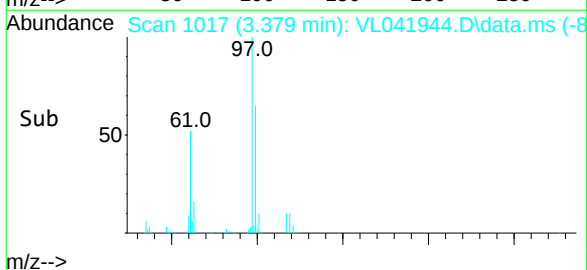
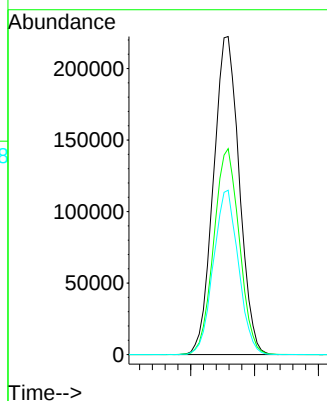
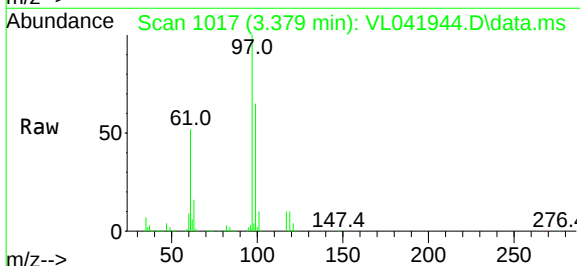
RT: 3.379 min Scan# 1017

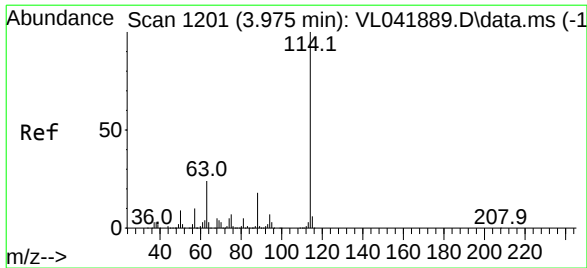
Delta R.T. 0.000 min

Lab File: VL041944.D

Acq: 27 Jan 2025 10:05

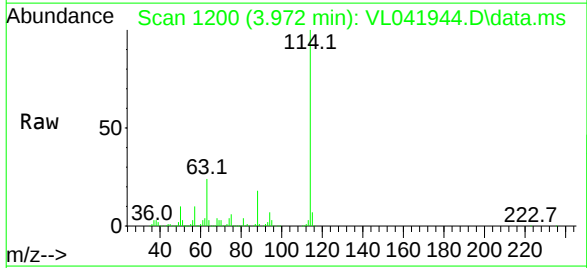
Tgt Ion:	97	Resp:	312255
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.1	76.7
61	50.1	39.0	58.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1200
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

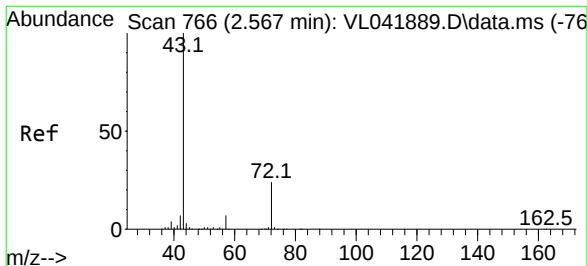
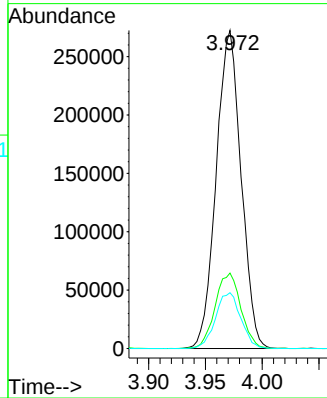
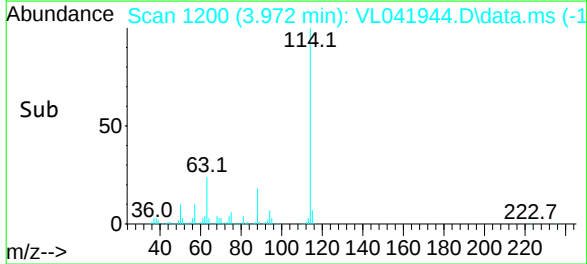
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 114 Resp: 415161
Ion Ratio Lower Upper
114 100
63 24.5 19.8 29.6
88 17.8 14.4 21.6

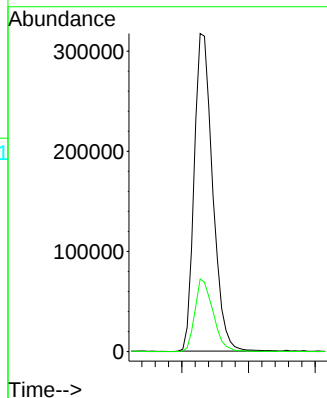
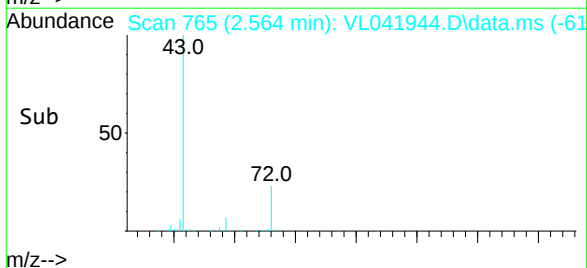
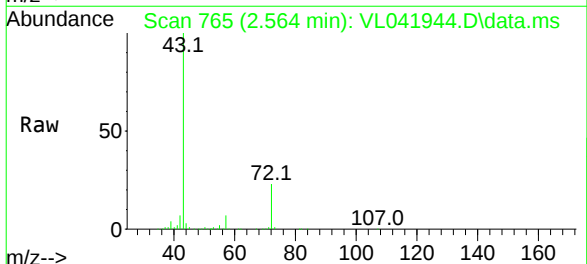
Manual Integrations APPROVED

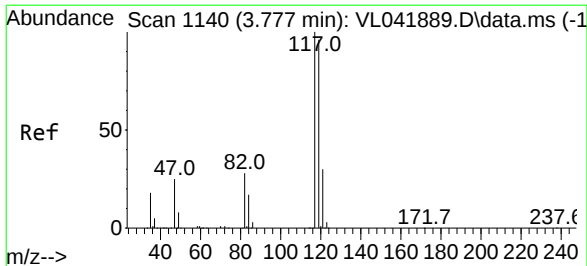
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#34
2-Butanone
Concen: 11.514 ppbv
RT: 2.564 min Scan# 765
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Tgt Ion: 43 Resp: 303997
Ion Ratio Lower Upper
43 100
72 22.7 18.6 28.0





#35

Carbon Tetrachloride

Concen: 12.150 ppbv

RT: 3.774 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041944.D

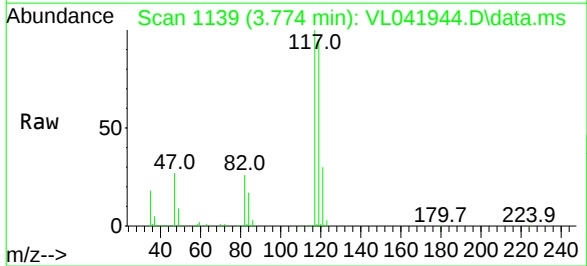
Acq: 27 Jan 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 117 Resp: 316836

Ion Ratio Lower Upper

117 100

119 94.9 76.9 115.3

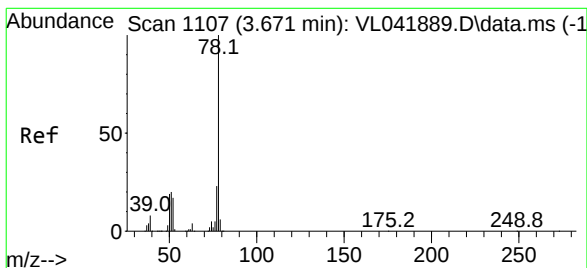
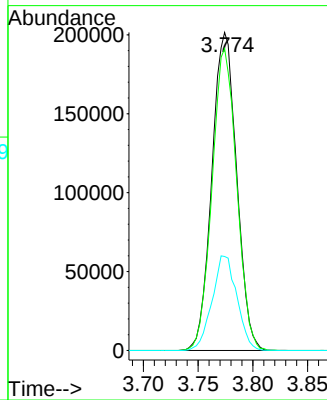
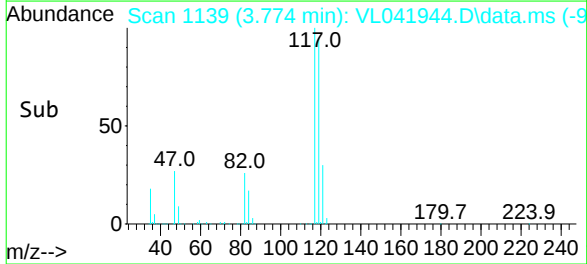
121 29.6 23.8 35.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/30/2025

Supervised By :Mahesh Dadoda 01/30/2025



#36

Benzene

Concen: 11.370 ppbv

RT: 3.667 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VL041944.D

Acq: 27 Jan 2025 10:05

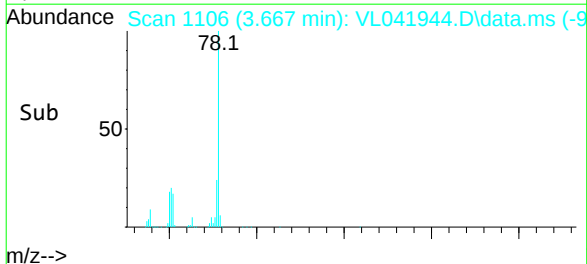
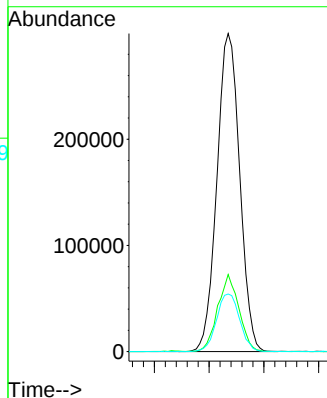
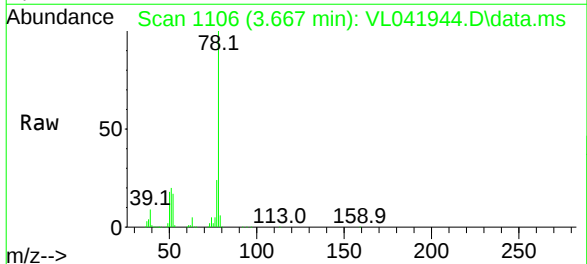
Tgt Ion: 78 Resp: 432961

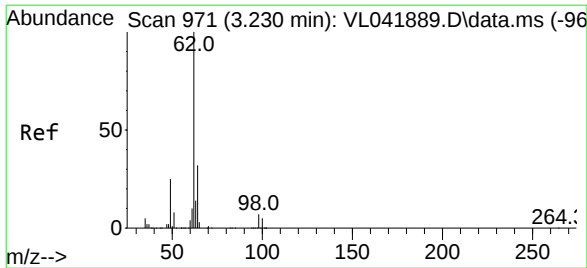
Ion Ratio Lower Upper

78 100

77 24.2 18.1 27.1

50 18.1 15.2 22.8





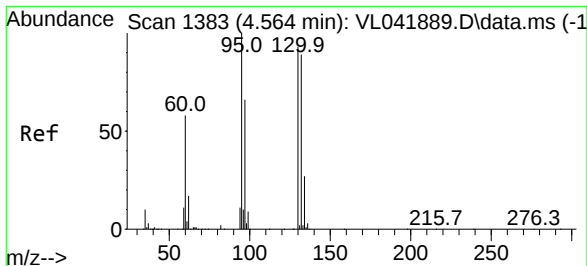
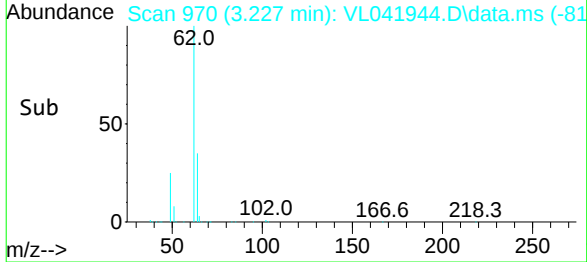
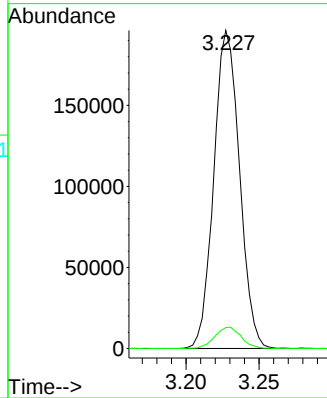
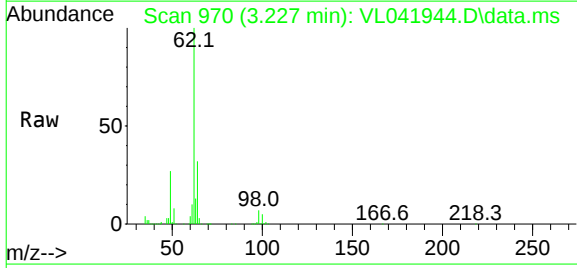
#37
1,2-Dichloroethane
Concen: 11.244 ppbv
RT: 3.227 min Scan# 971
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 240456
Ion Ratio Lower Upper
62 100
98 6.9 5.4 8.0

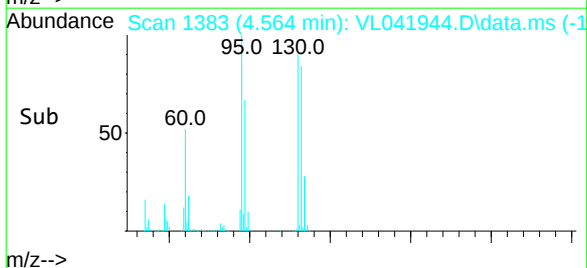
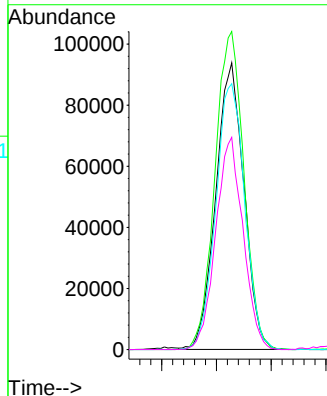
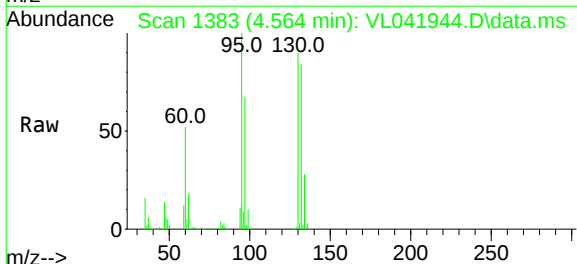
Manual Integrations
APPROVED

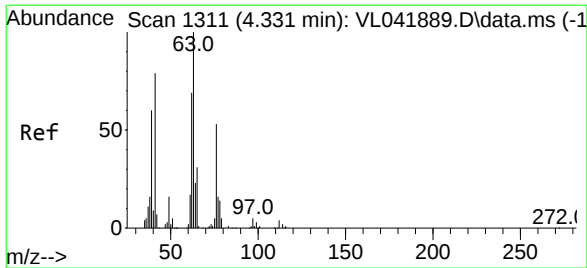
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#38
Trichloroethene
Concen: 11.079 ppbv
RT: 4.564 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Tgt Ion:130 Resp: 167416
Ion Ratio Lower Upper
130 100
95 110.8 85.8 128.8
132 92.8 76.5 114.7
97 74.0 56.8 85.2





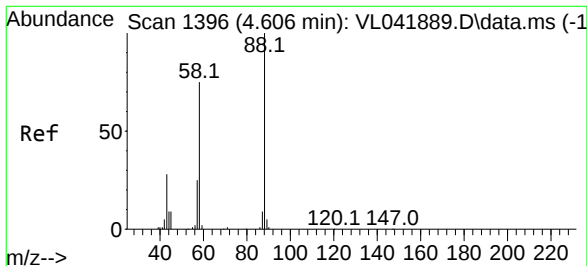
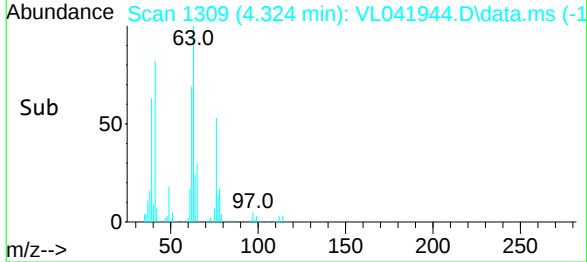
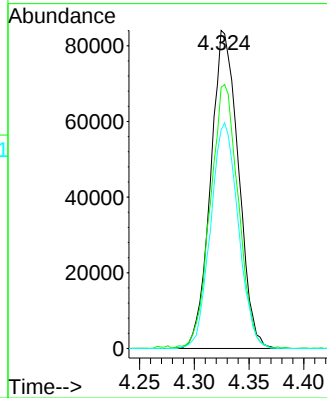
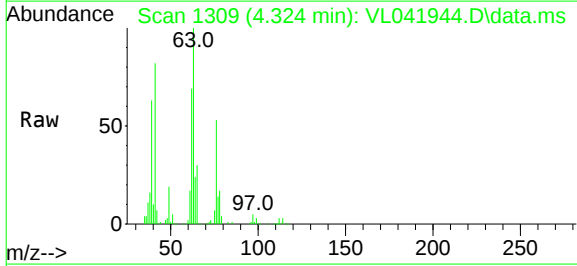
#39
1,2-Dichloropropane
Concen: 11.091 ppbv
RT: 4.324 min Scan# 1311
Delta R.T. -0.006 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63	Resp: 148143
Ion Ratio	Lower Upper
63 100	
41 81.5	63.7 95.5
62 68.7	55.4 83.2

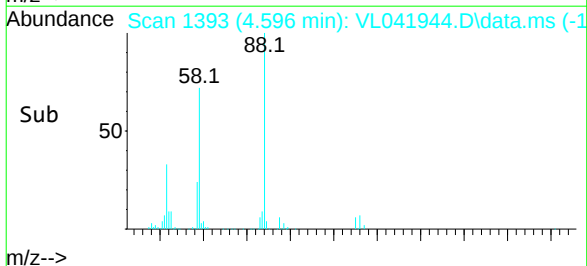
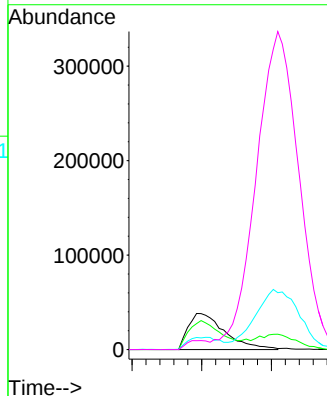
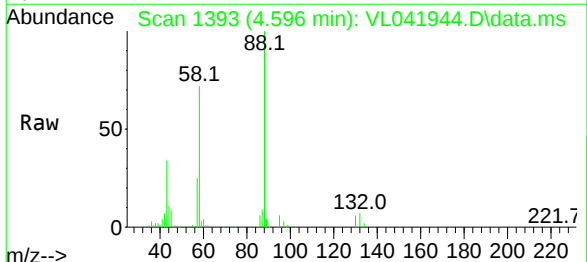
Manual Integrations
APPROVED

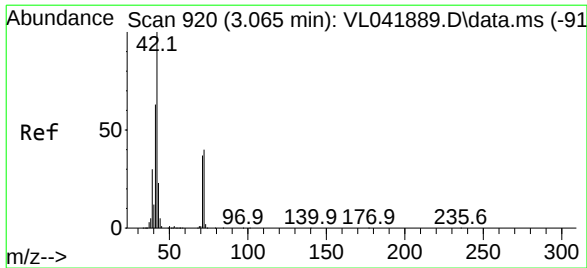
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#40
1,4-Dioxane
Concen: 10.367 ppbv
RT: 4.596 min Scan# 1393
Delta R.T. -0.010 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Tgt Ion: 88	Resp: 69928
Ion Ratio	Lower Upper
88 100	
58 78.6	62.1 93.1
43 0.0	0.0 0.0
57 0.0	0.0 0.0





#41

Tetrahydrofuran

Concen: 11.899 ppbv

RT: 3.065 min Scan# 92

Delta R.T. 0.000 min

Lab File: VL041944.D

Acq: 27 Jan 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

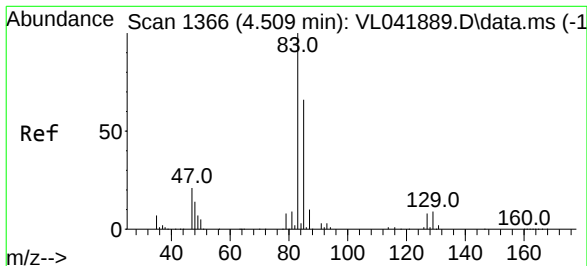
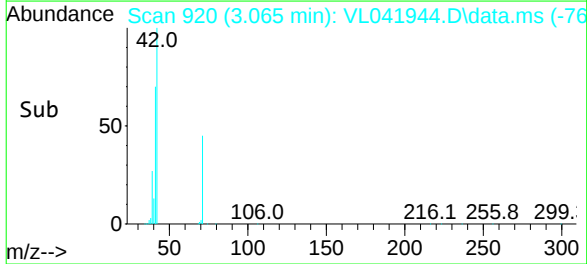
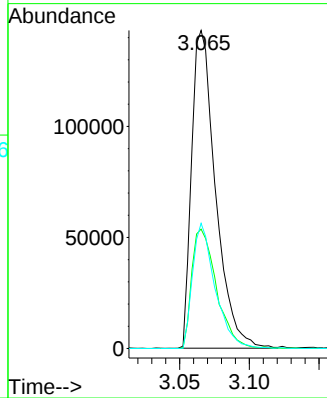
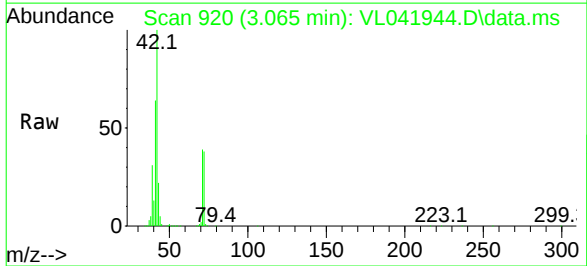
VSTDCCC010

Tgt Ion:	42	Resp:	170732
Ion	Ratio	Lower	Upper
42	100		
72	38.9	32.3	48.5
71	37.3	29.9	44.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#42

Bromodichloromethane

Concen: 11.669 ppbv

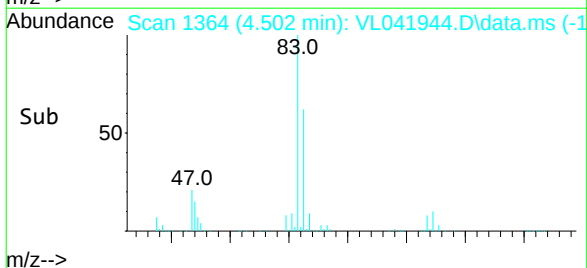
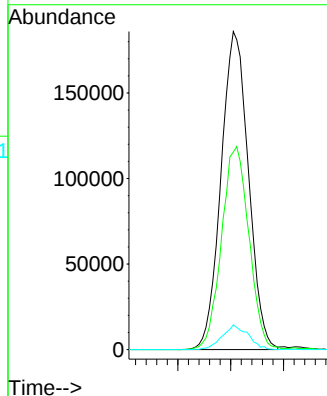
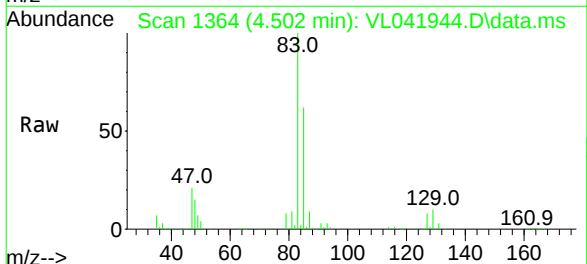
RT: 4.502 min Scan# 1364

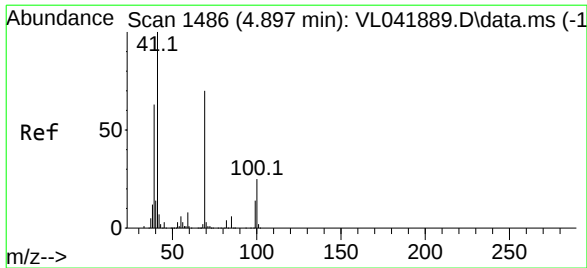
Delta R.T. -0.006 min

Lab File: VL041944.D

Acq: 27 Jan 2025 10:05

Tgt Ion:	83	Resp:	334591
Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.6	78.8
127	7.8	6.4	9.6





#43

Methyl Methacrylate

Concen: 11.029 ppbv

RT: 4.897 min Scan# 14

Delta R.T. 0.000 min

Lab File: VL041944.D

Acq: 27 Jan 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 69 Resp: 156013

Ion Ratio Lower Upper

69 100

41 151.0 118.6 177.8

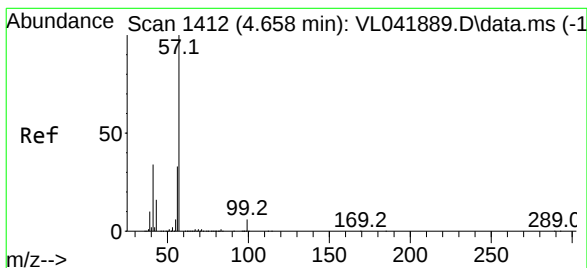
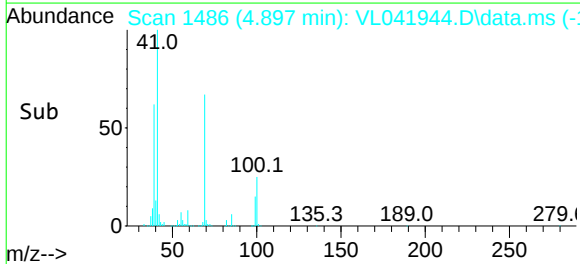
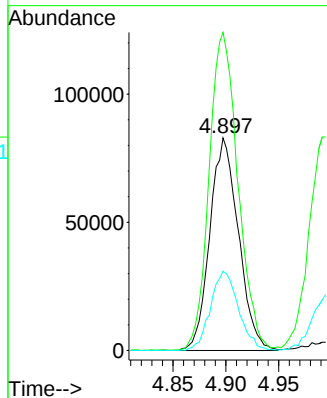
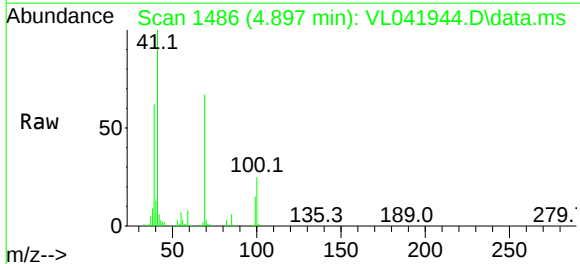
100 36.6 29.3 43.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025

Supervised By :Mahesh Dadoda 01/30/2025



#44

2,2,4-Trimethylpentane

Concen: 11.658 ppbv

RT: 4.655 min Scan# 1411

Delta R.T. -0.003 min

Lab File: VL041944.D

Acq: 27 Jan 2025 10:05

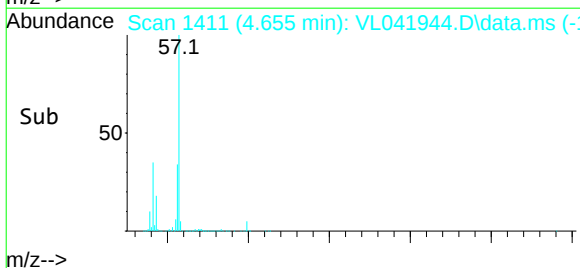
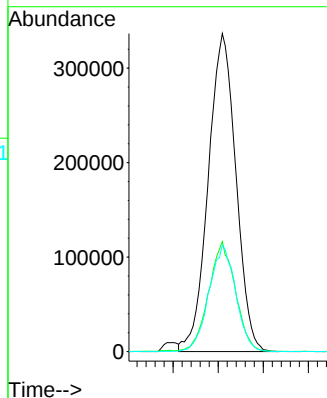
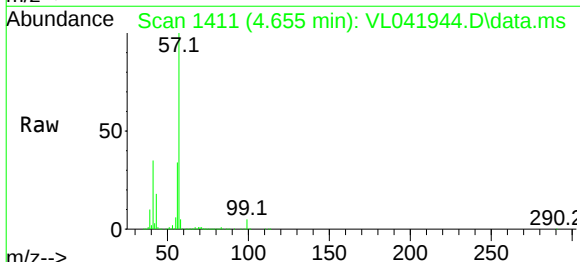
Tgt Ion: 57 Resp: 717998

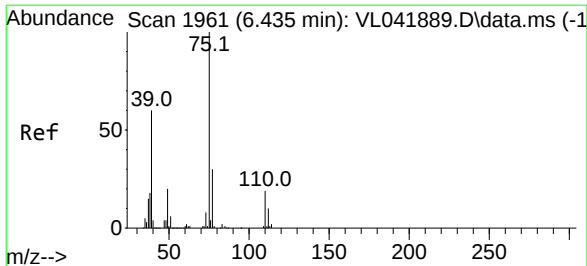
Ion Ratio Lower Upper

57 100

41 33.6 26.6 40.0

56 32.4 25.4 38.2





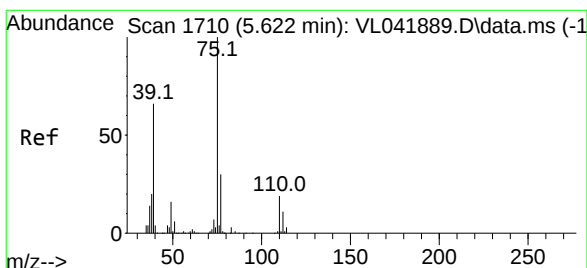
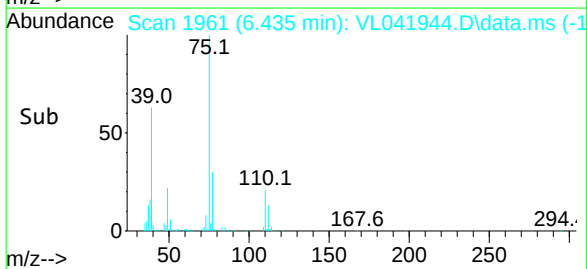
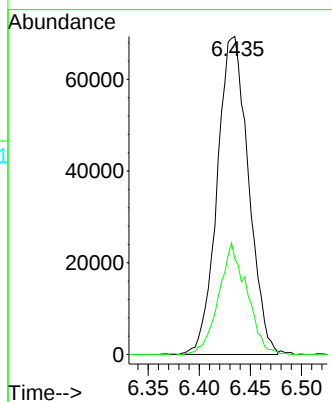
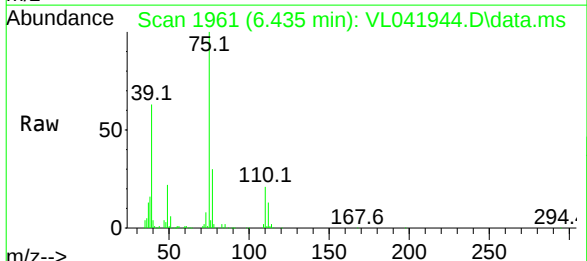
#45
t-1,3-Dichloropropene
Concen: 11.136 ppbv
RT: 6.435 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 147450
Ion Ratio Lower Upper
75 100
77 30.0 24.3 36.5

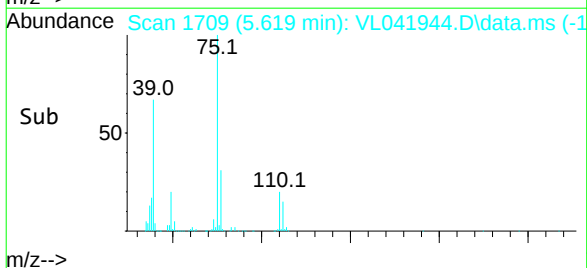
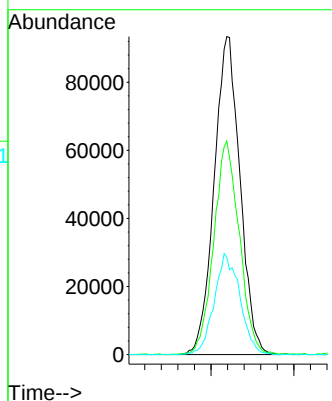
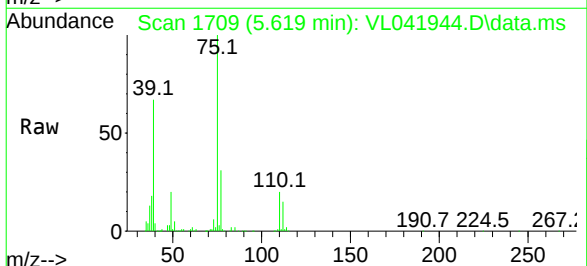
Manual Integrations
APPROVED

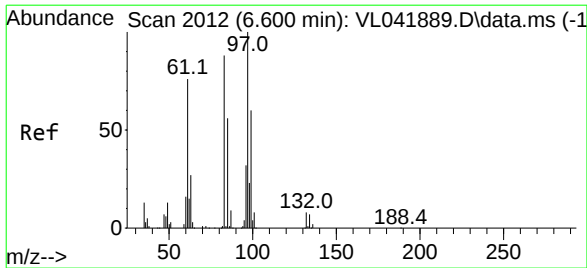
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#46
cis-1,3-Dichloropropene
Concen: 11.644 ppbv
RT: 5.619 min Scan# 1709
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

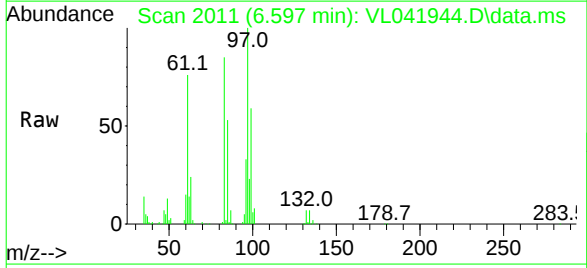
Tgt Ion: 75 Resp: 202424
Ion Ratio Lower Upper
75 100
39 67.0 53.1 79.7
77 30.5 23.8 35.8





#47
1,1,2-Trichloroethane
Concen: 11.606 ppbv
RT: 6.597 min Scan# 2012
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

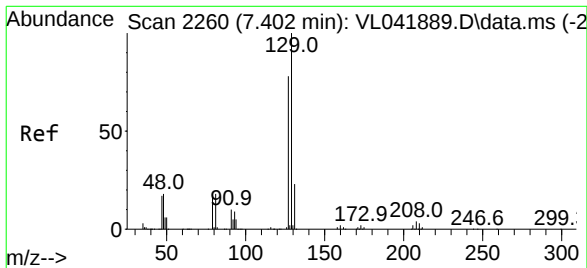
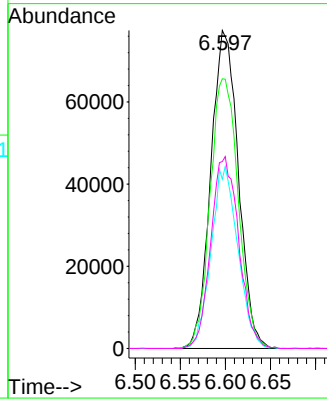
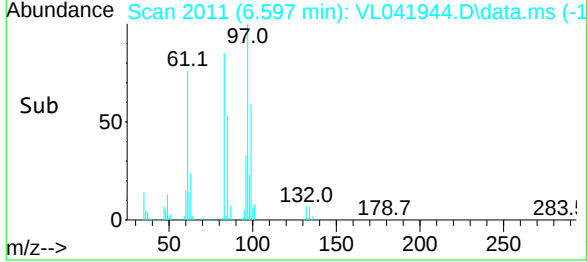
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 97 Resp: 164305
Ion Ratio Lower Upper
97 100
83 84.7 70.4 105.6
85 53.3 45.0 67.4
99 58.8 48.1 72.1

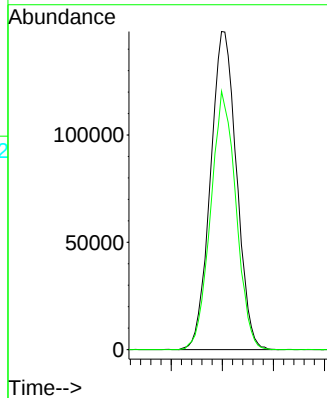
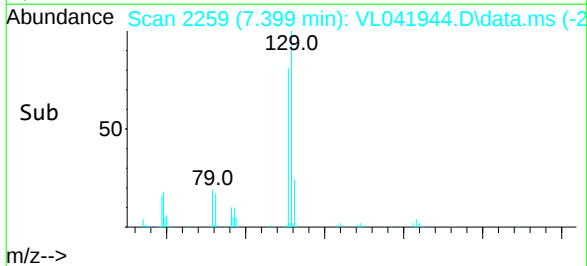
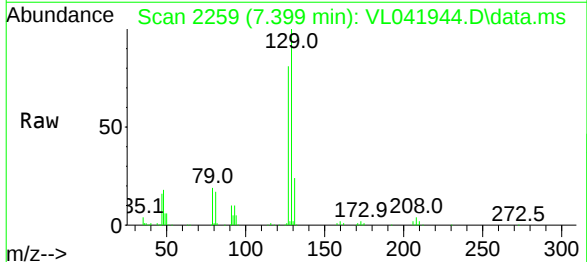
Manual Integrations
APPROVED

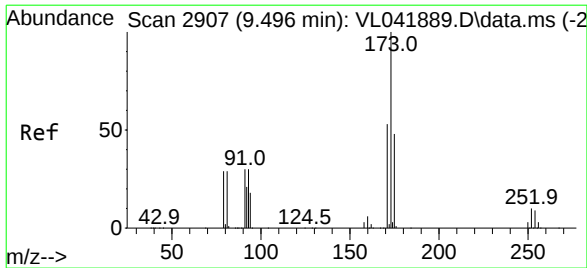
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#48
Dibromochloromethane
Concen: 12.038 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Tgt Ion:129 Resp: 262942
Ion Ratio Lower Upper
129 100
127 78.6 39.3 117.8





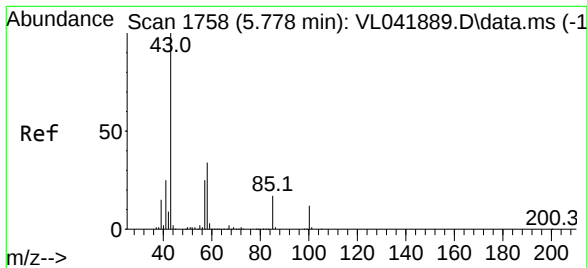
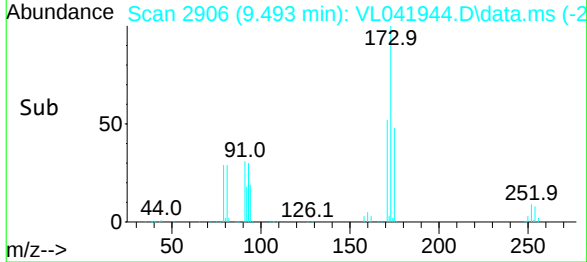
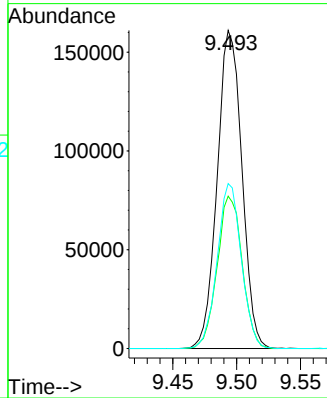
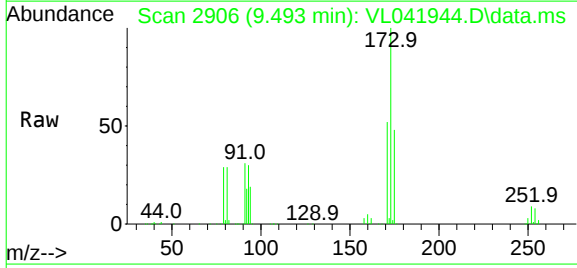
#49
Bromoform
Concen: 12.074 ppbv
RT: 9.493 min Scan# 2906
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 173 Resp: 216634
Ion Ratio Lower Upper
173 100
175 48.5 38.4 57.6
171 50.7 41.4 62.2

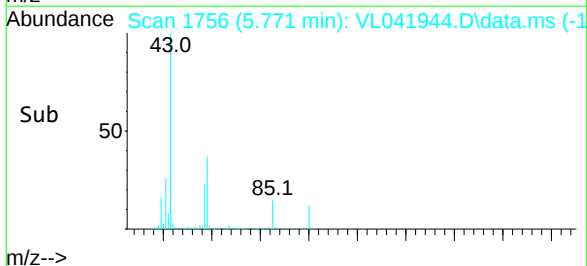
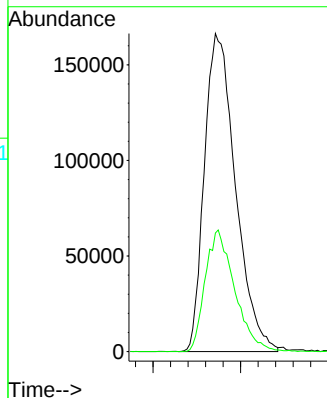
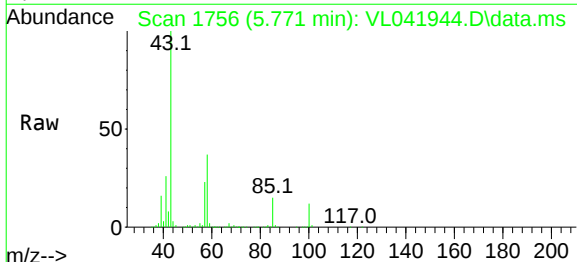
Manual Integrations
APPROVED

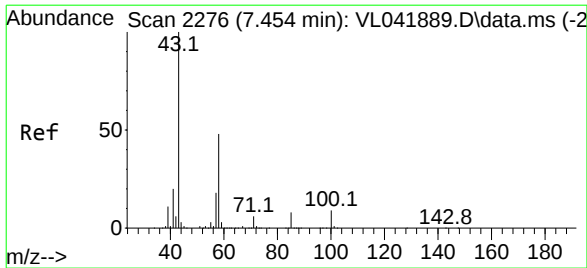
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#50
4-Methyl-2-Pentanone
Concen: 11.394 ppbv
RT: 5.771 min Scan# 1756
Delta R.T. -0.006 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Tgt Ion: 43 Resp: 410655
Ion Ratio Lower Upper
43 100
58 36.3 29.0 43.6





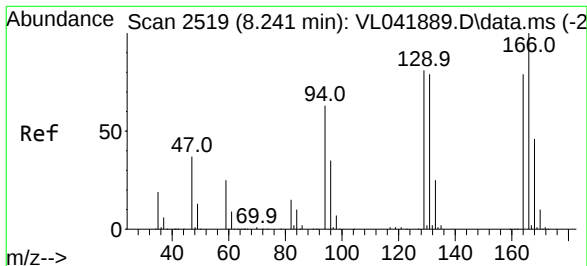
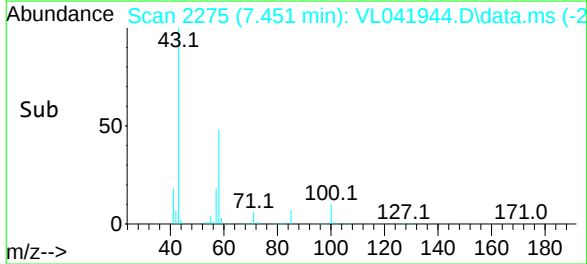
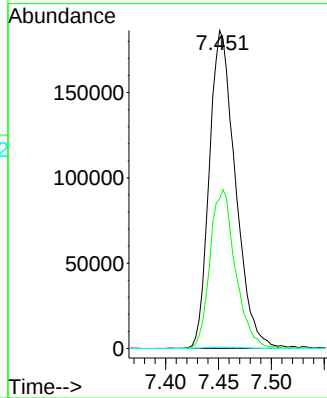
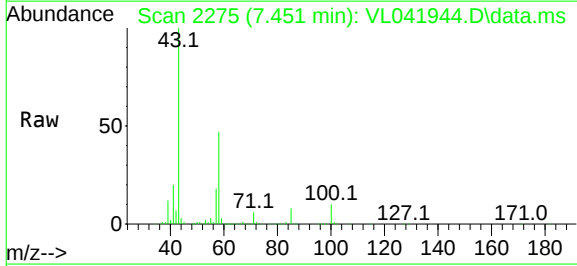
#51
2-Hexanone
Concen: 11.521 ppbv
RT: 7.451 min Scan# 2276
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 319063
Ion Ratio Lower Upper
43 100
58 49.0 40.4 60.6
98 0.6 0.2 0.2

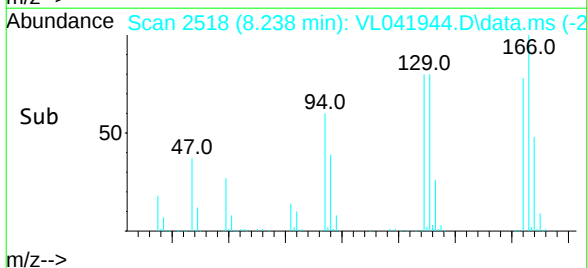
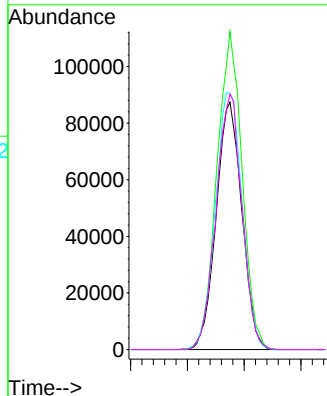
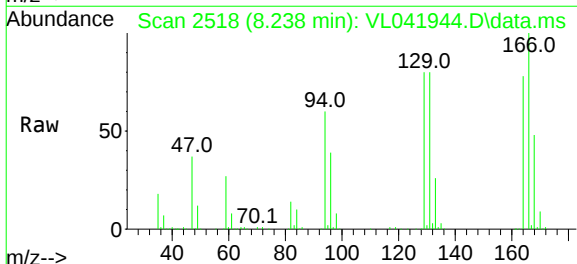
Manual Integrations
APPROVED

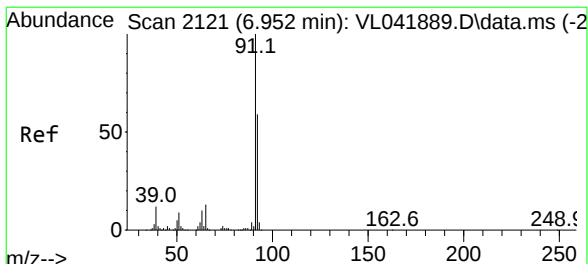
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#52
Tetrachloroethene
Concen: 10.404 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

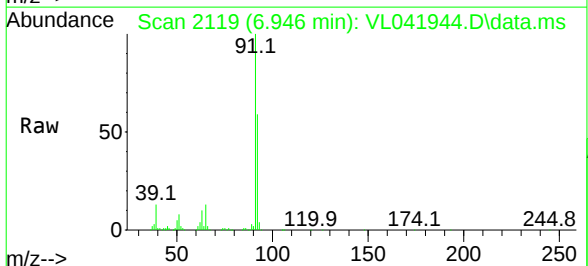
Tgt Ion:164 Resp: 137364
Ion Ratio Lower Upper
164 100
166 128.5 100.8 151.2
129 103.5 82.0 123.0
131 103.3 80.2 120.2





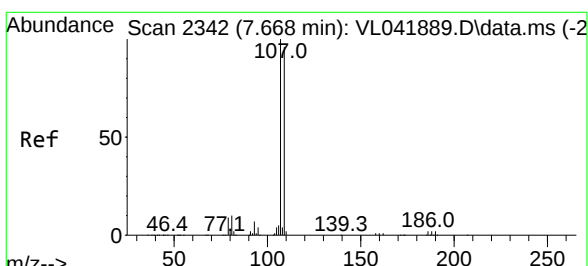
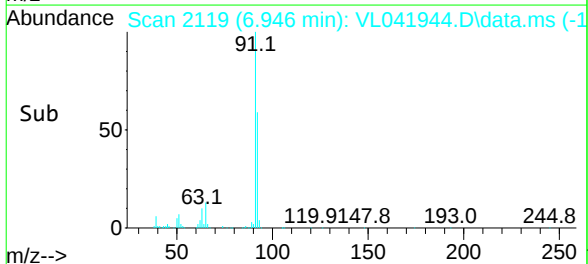
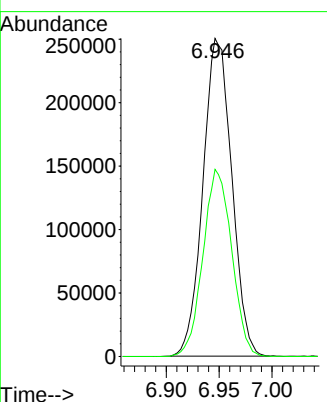
#53
Toluene
Concen: 11.456 ppbv
RT: 6.946 min Scan# 2119
Delta R.T. -0.006 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010



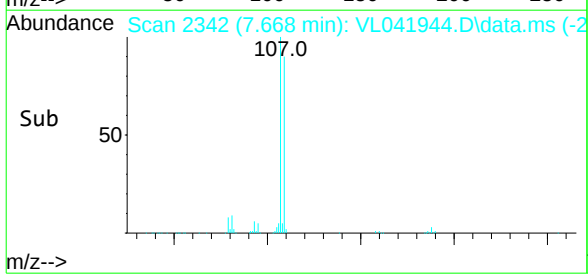
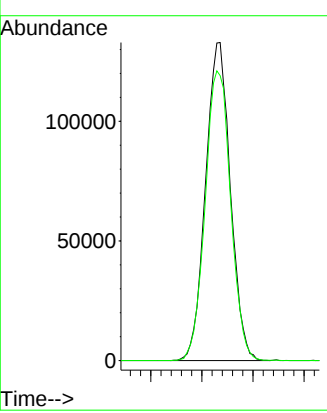
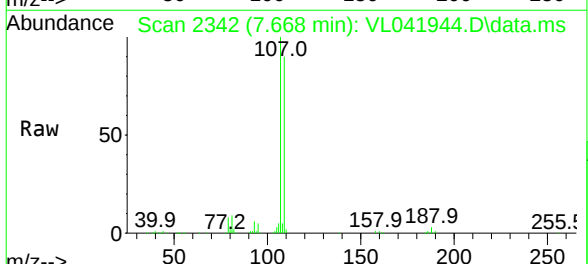
Tgt Ion:	91	Resp:	475146
Ion Ratio	Lower	Upper	
91	100		
92	58.6	47.4	71.0

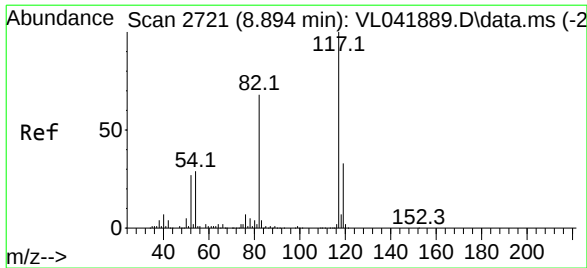
Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#54
1,2-Dibromoethane
Concen: 11.514 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Tgt Ion:	107	Resp:	224086
Ion Ratio	Lower	Upper	
107	100		
109	89.6	76.7	115.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 2721

Delta R.T. -0.003 min

Lab File: VL041944.D

Acq: 27 Jan 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

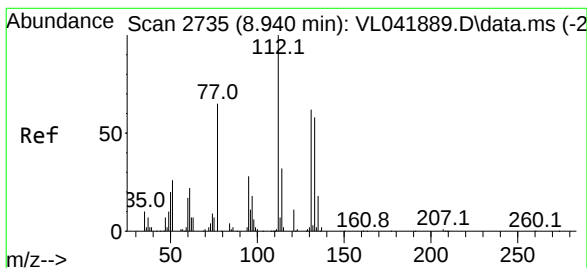
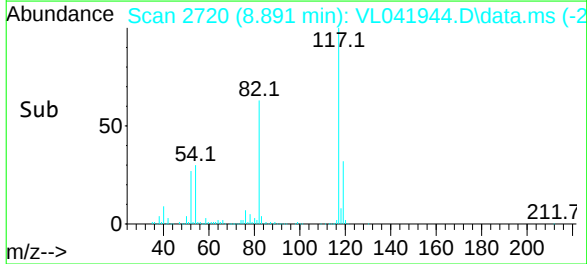
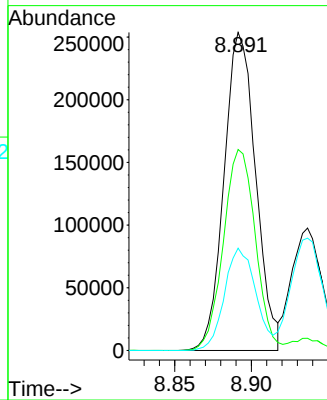
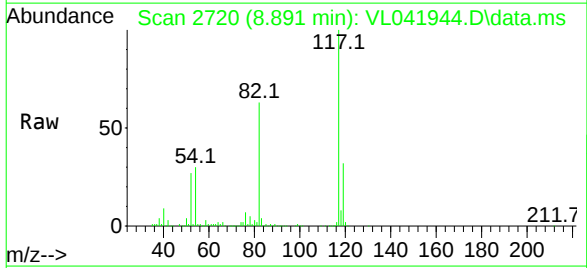
Tgt Ion:117 Resp: 364534

Ion	Ratio	Lower	Upper
117	100		
82	67.5	54.2	81.4
119	31.3	25.0	37.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 11.640 ppbv

RT: 8.937 min Scan# 2734

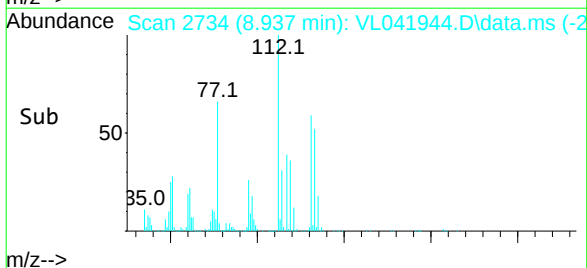
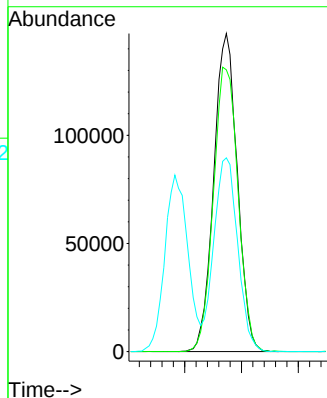
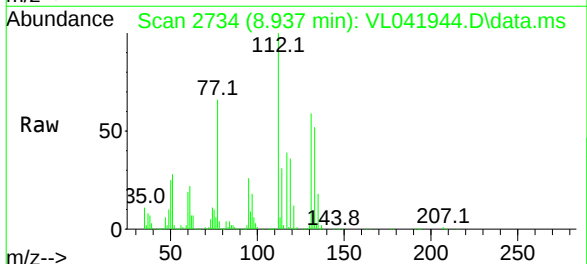
Delta R.T. -0.003 min

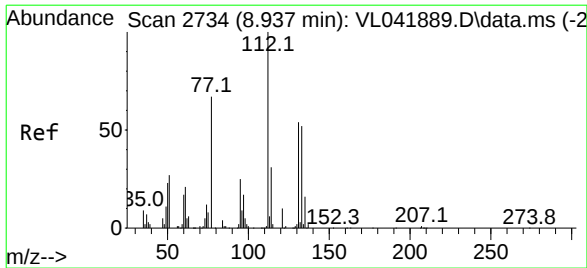
Lab File: VL041944.D

Acq: 27 Jan 2025 10:05

Tgt Ion:131 Resp: 211703

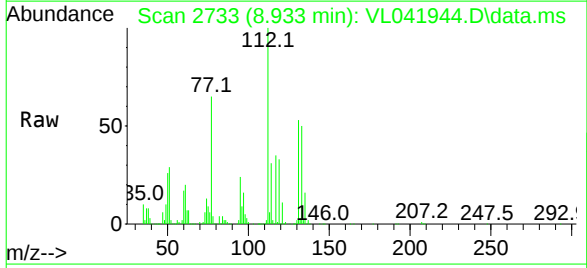
Ion	Ratio	Lower	Upper
131	100		
133	93.7	76.0	114.0
119	61.9	49.7	74.5





#57
Chlorobenzene
Concen: 11.210 ppbv
RT: 8.933 min Scan# 2734
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

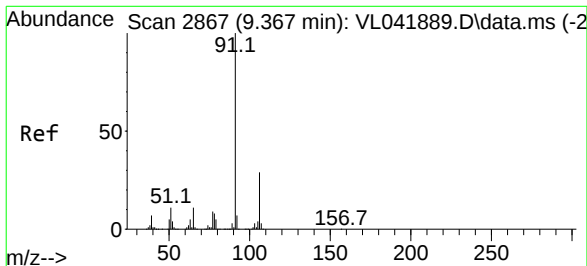
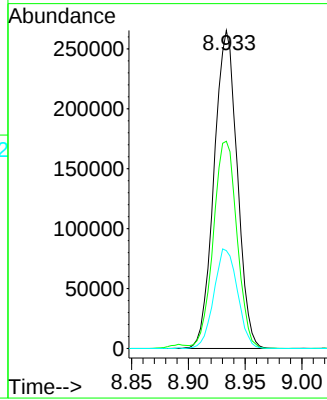
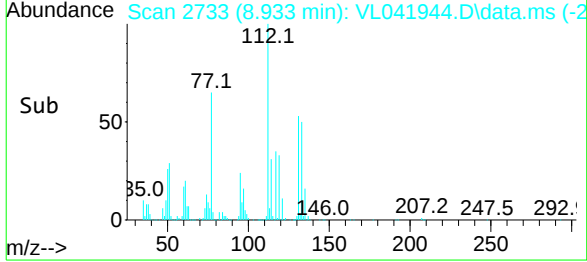
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 112 Resp: 376929
Ion Ratio Lower Upper
112 100
77 65.1 54.6 82.0
114 30.8 28.2 34.4

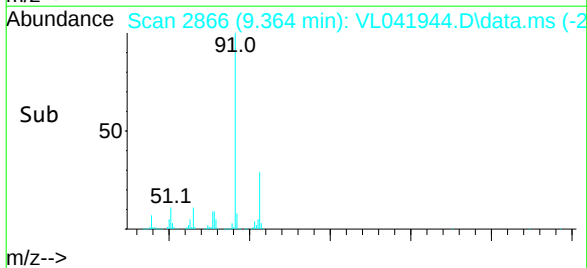
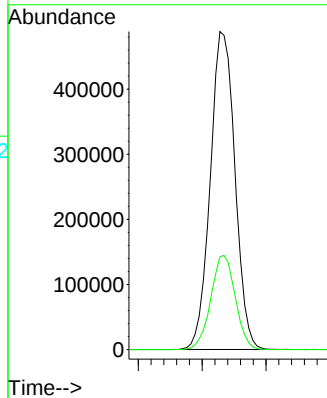
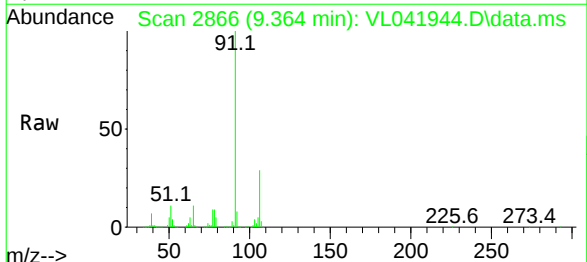
Manual Integrations
APPROVED

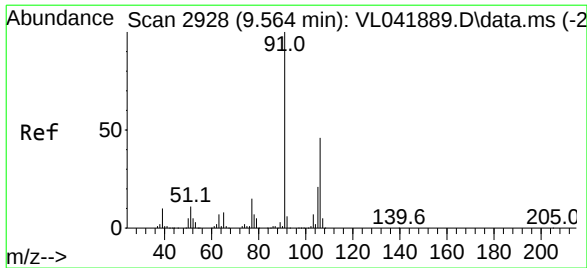
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#58
Ethyl Benzene
Concen: 11.507 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Tgt Ion: 91 Resp: 655579
Ion Ratio Lower Upper
91 100
106 29.2 23.1 34.7





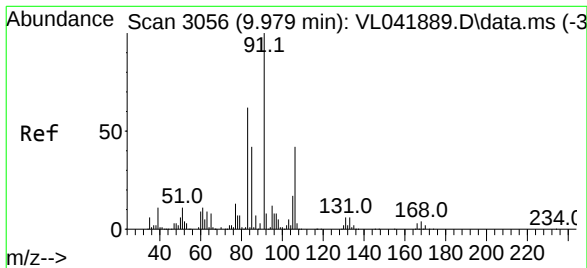
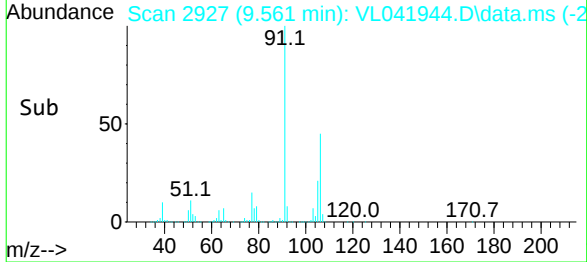
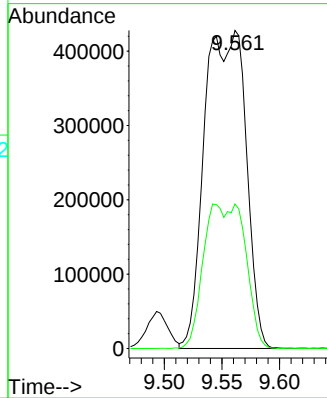
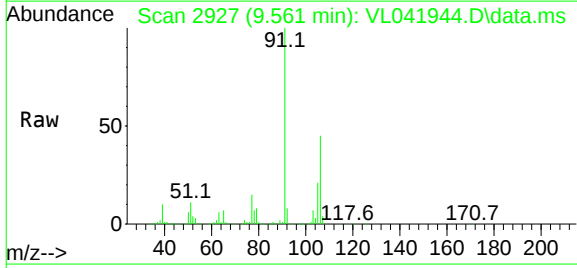
#59
m/p-Xylene
Concen: 23.416 ppbv m
RT: 9.561 min Scan# 29
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 1069261
Ion Ratio Lower Upper
91 100
106 45.8 36.0 54.0

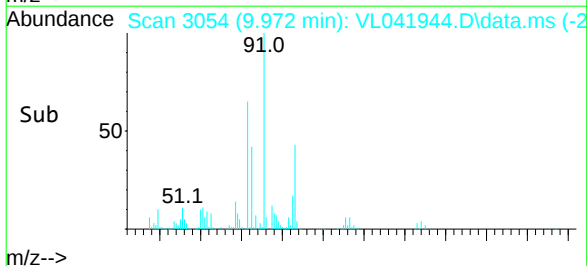
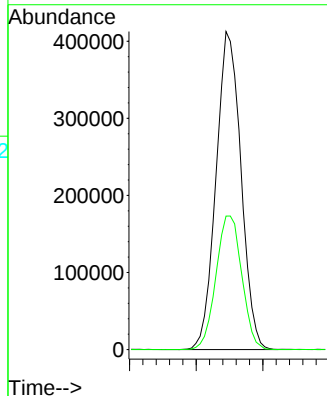
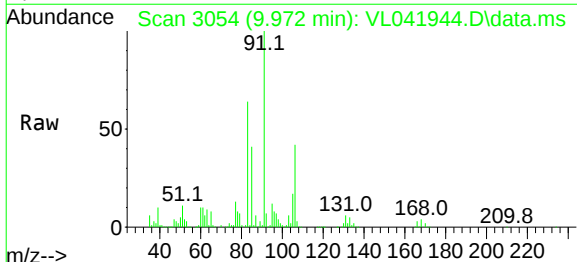
Manual Integrations
APPROVED

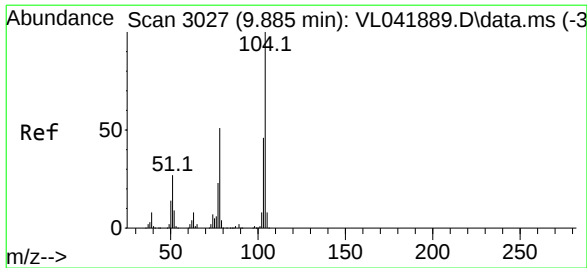
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#60
o-Xylene
Concen: 11.826 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. -0.006 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Tgt Ion: 91 Resp: 536013
Ion Ratio Lower Upper
91 100
106 43.4 21.3 63.9





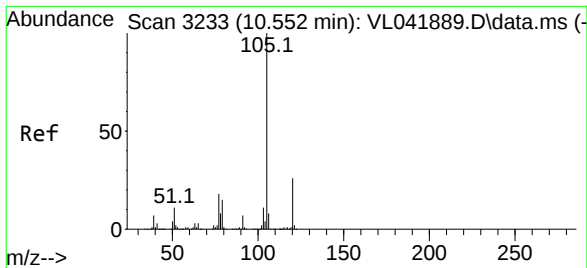
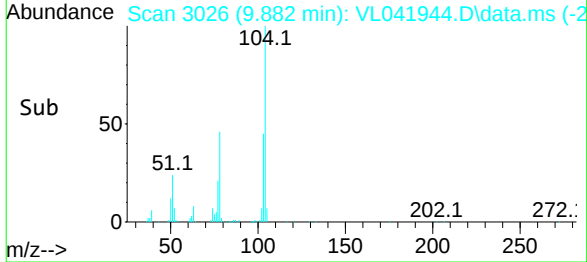
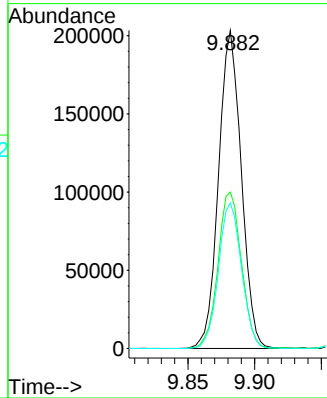
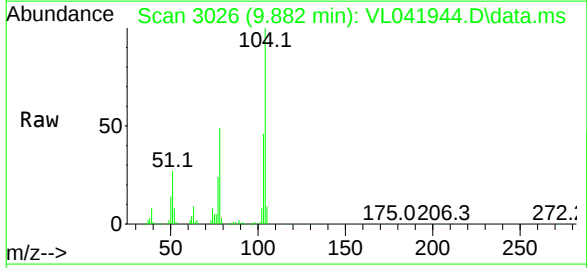
#61
Styrene
Concen: 11.853 ppbv
RT: 9.882 min Scan# 3027
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 240993
Ion Ratio Lower Upper
104 100
78 50.8 41.0 61.6
103 46.6 37.2 55.8

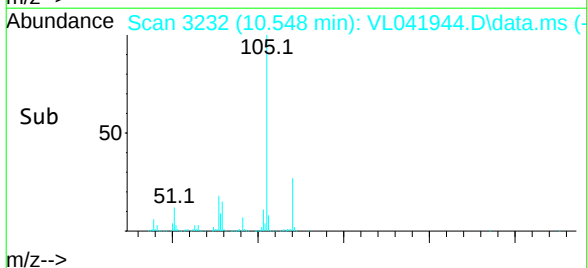
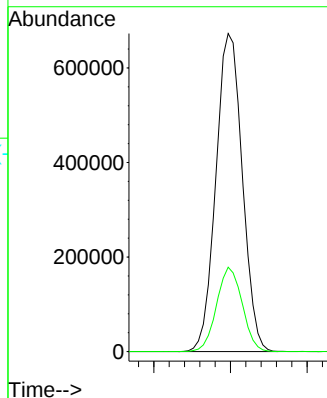
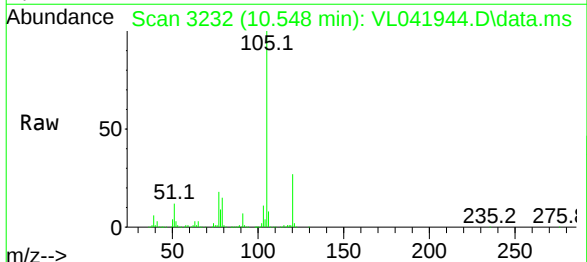
Manual Integrations
APPROVED

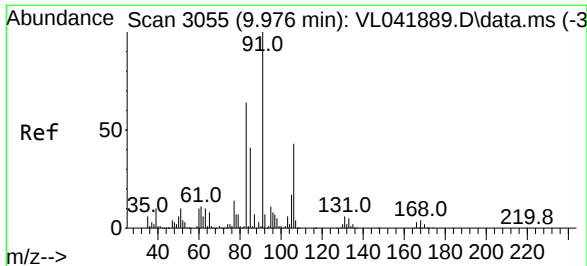
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#62
Isopropylbenzene
Concen: 11.496 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

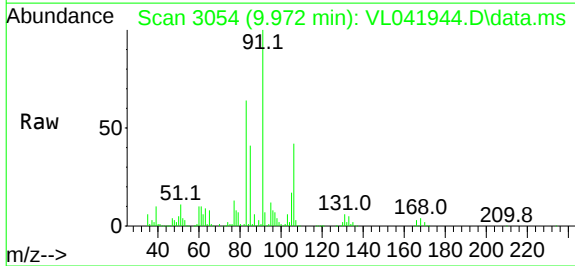
Tgt Ion:105 Resp: 806301
Ion Ratio Lower Upper
105 100
120 25.6 20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 11.718 ppbv
RT: 9.972 min Scan# 3055
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

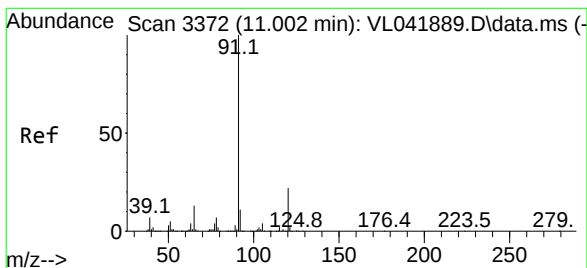
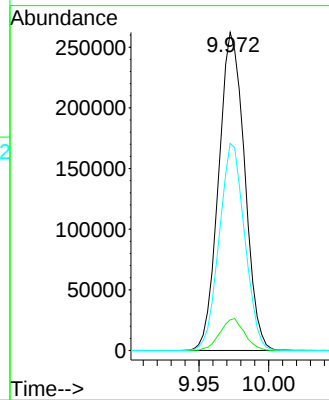
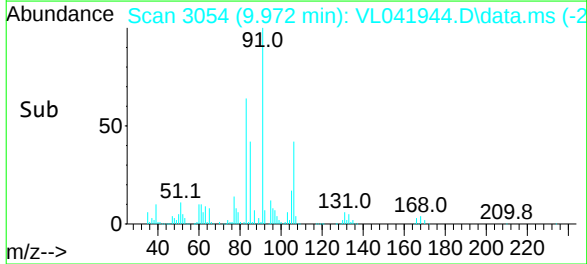
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 83 Resp: 339396
Ion Ratio Lower Upper
83 100
131 9.6 4.8 14.4
85 63.9 32.4 97.2

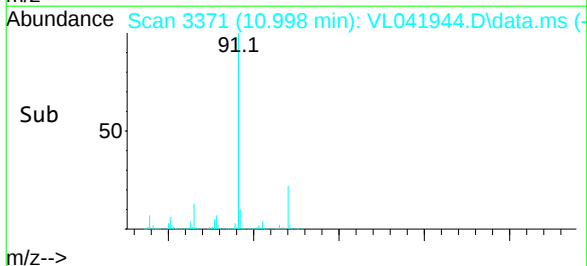
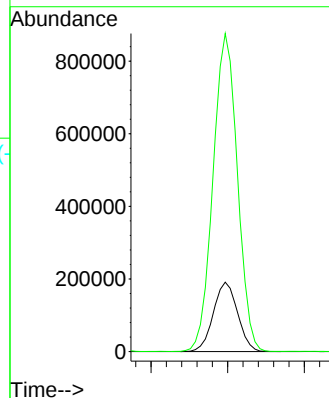
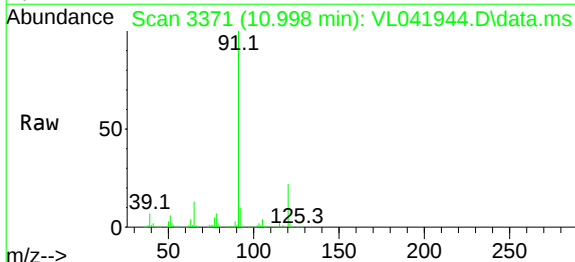
Manual Integrations
APPROVED

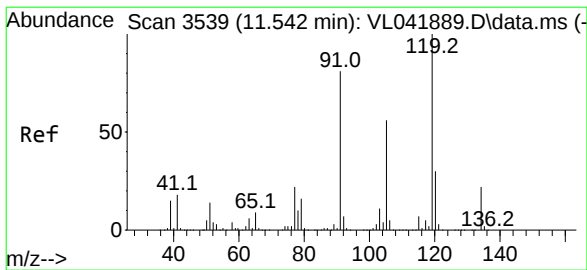
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#64
n-propylbenzene
Concen: 11.831 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Tgt Ion:120 Resp: 209670
Ion Ratio Lower Upper
120 100
91 462.3 374.1 561.1





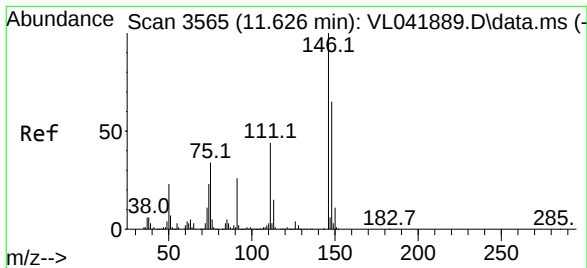
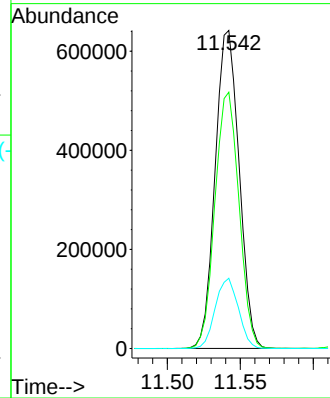
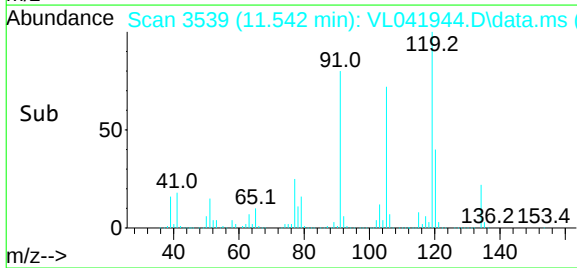
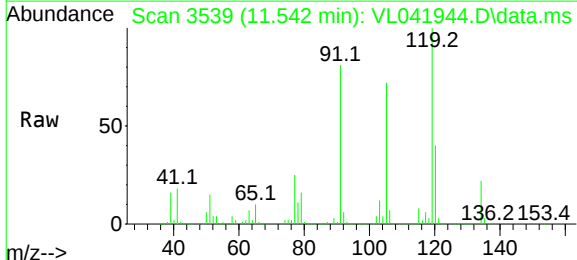
#65
tert-Butylbenzene
Concen: 11.472 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:	119	Resp:	733219
Ion	Ratio	Lower	Upper
119	100		
91	80.7	64.6	97.0
134	21.3	16.8	25.2

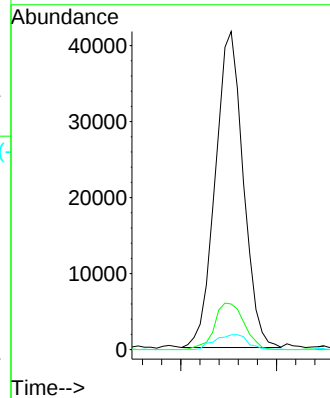
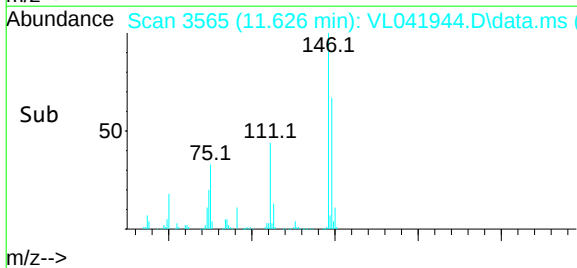
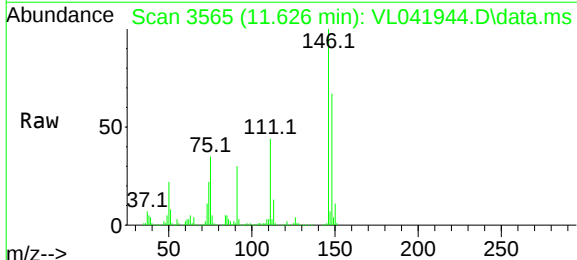
Manual Integrations
APPROVED

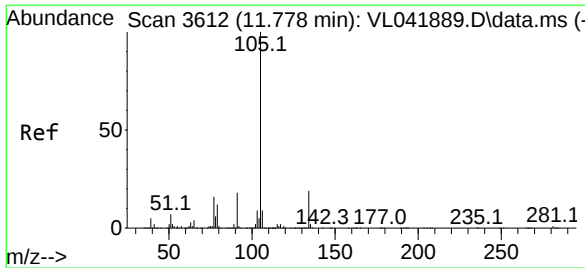
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#66
Benzyl Chloride
Concen: 10.656 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Tgt Ion:	91	Resp:	42157
Ion	Ratio	Lower	Upper
91	100		
126	15.8	14.1	21.1
128	5.6	4.3	6.5





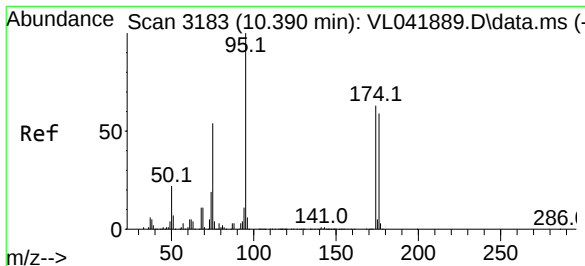
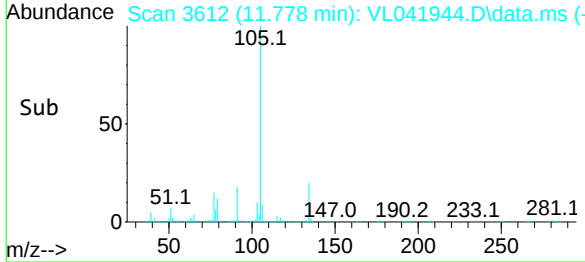
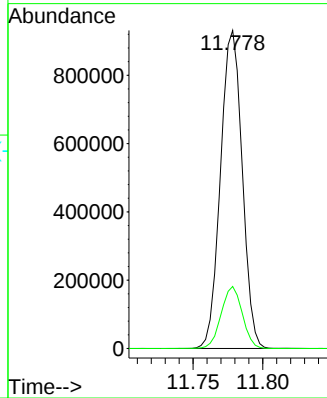
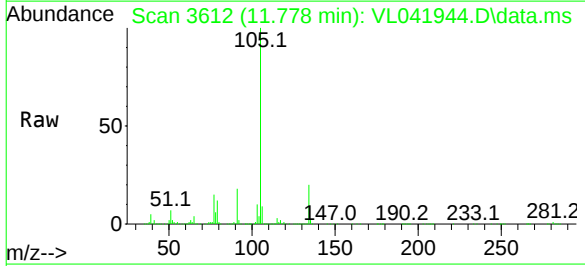
#67
sec-Butylbenzene
Concen: 11.445 ppbv
RT: 11.778 min Scan# 3612
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 105 Resp: 1007276
Ion Ratio Lower Upper
105 100
134 19.0 15.1 22.7

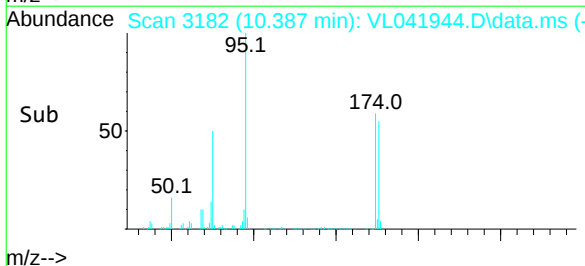
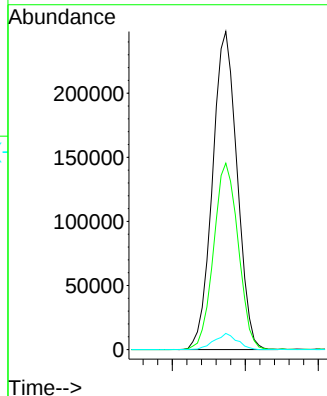
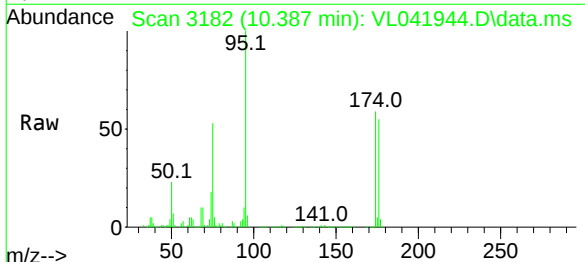
Manual Integrations
APPROVED

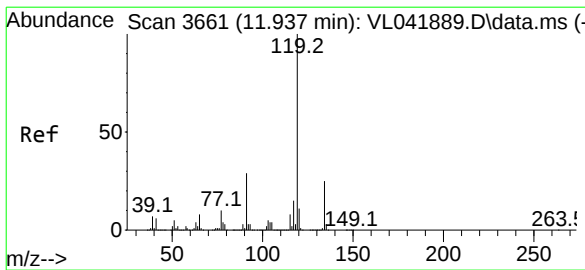
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.114 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Tgt Ion: 95 Resp: 290387
Ion Ratio Lower Upper
95 100
174 58.7 49.0 73.4
175 4.7 3.8 5.8





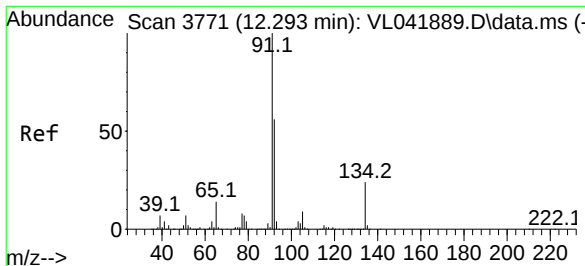
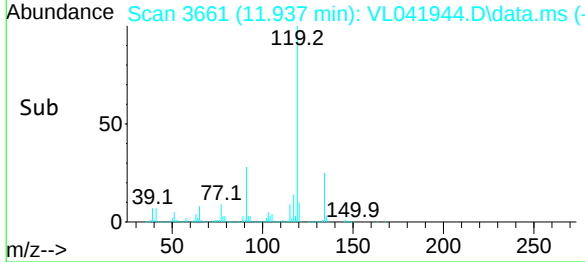
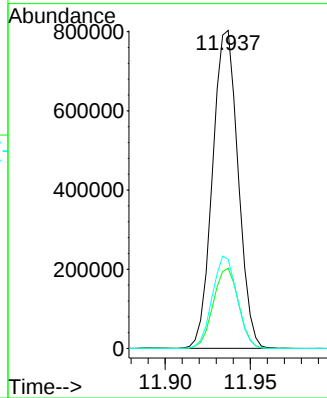
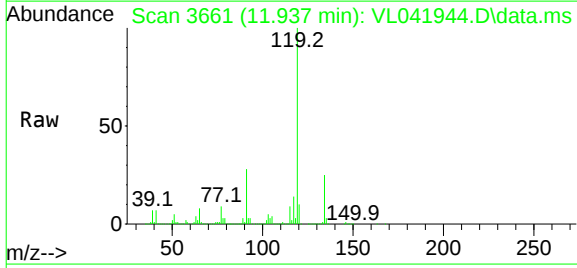
#69
p-Isopropyltoluene
Concen: 11.563 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:	119	Resp:	838003
Ion Ratio	Lower	Upper	
119	100		
134	25.0	19.8	29.6
91	28.4	23.0	34.4

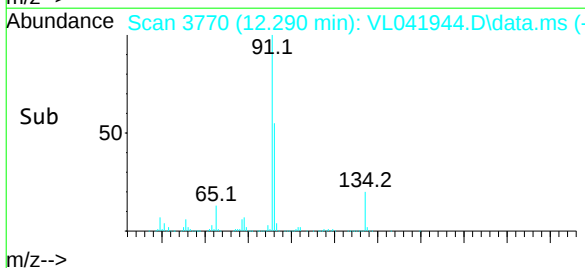
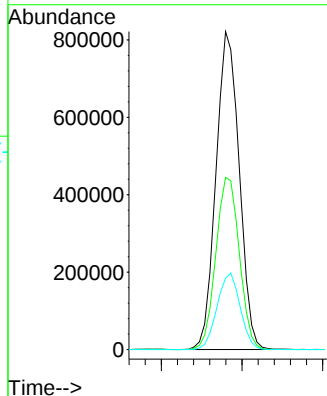
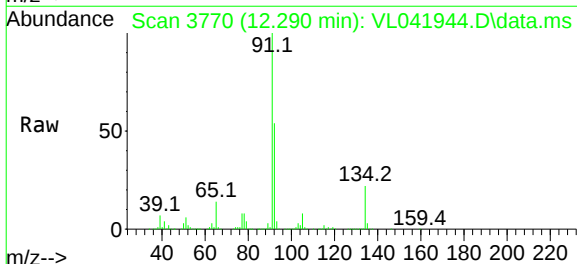
Manual Integrations
APPROVED

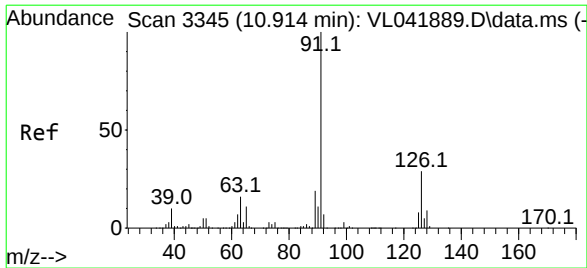
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#70
n-Butylbenzene
Concen: 11.445 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

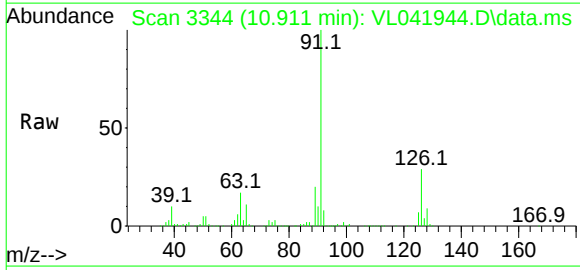
Tgt Ion:	91	Resp:	822628
Ion Ratio	Lower	Upper	
91	100		
92	54.8	43.8	65.6
134	23.9	19.0	28.6





#71
2-Chlorotoluene
Concen: 11.445 ppbv
RT: 10.911 min Scan# 3345
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

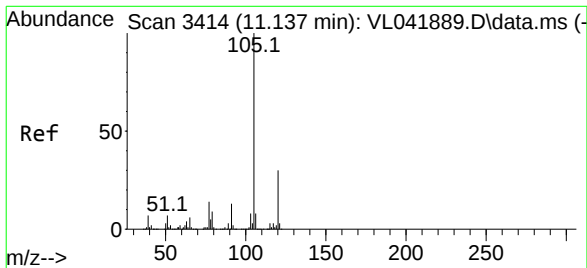
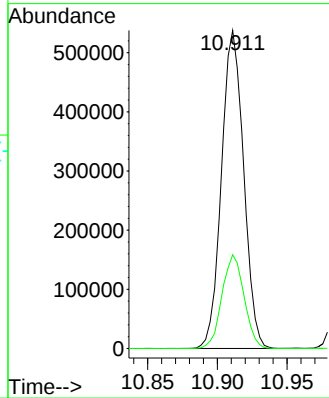
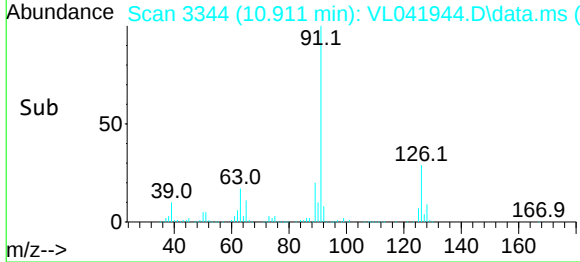
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



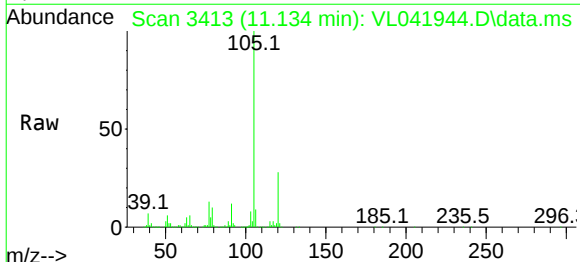
Tgt Ion: 91 Resp: 593791
Ion Ratio Lower Upper
91 100
126 29.4 11.7 46.7

Manual Integrations
APPROVED

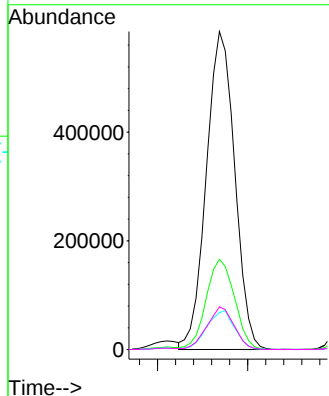
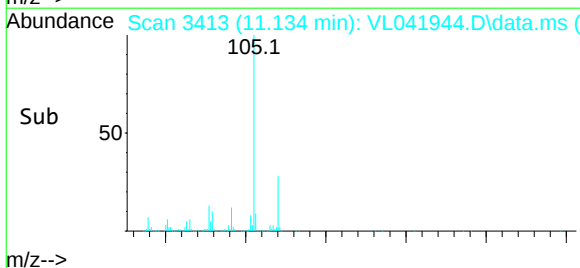
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

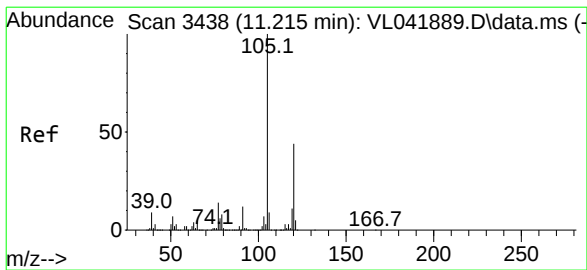


#72
4-Ethyltoluene
Concen: 11.802 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05



Tgt Ion:105 Resp: 639849
Ion Ratio Lower Upper
105 100
120 29.1 23.7 35.5
91 12.6 10.2 15.2
77 13.4 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 11.544 ppbv

RT: 11.212 min Scan# 3438

Delta R.T. -0.003 min

Lab File: VL041944.D

Acq: 27 Jan 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 552715

Ion Ratio Lower Upper

105 100

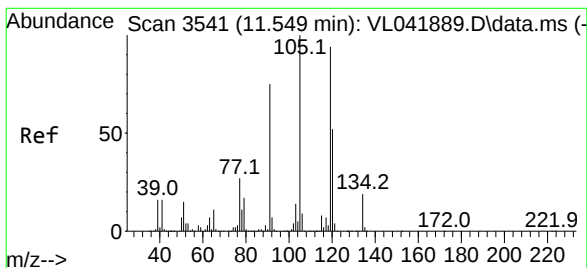
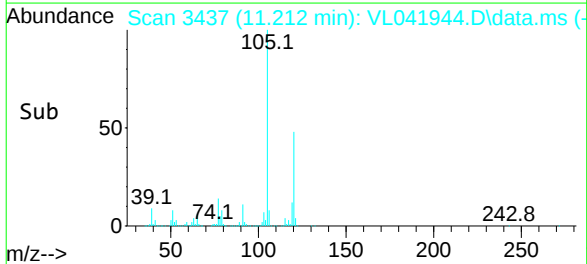
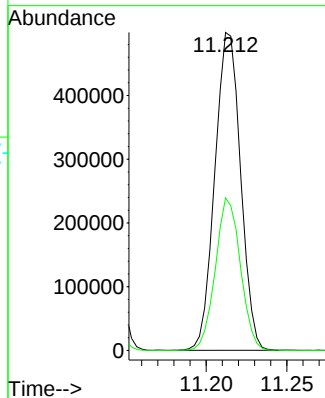
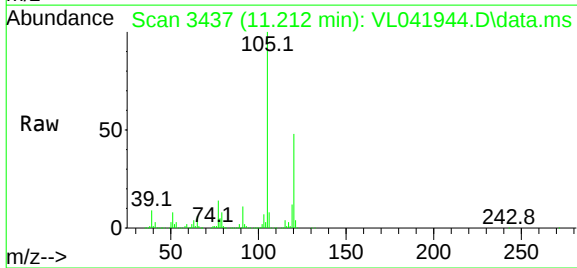
120 48.0 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025

Supervised By :Mahesh Dadoda 01/30/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.485 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. -0.003 min

Lab File: VL041944.D

Acq: 27 Jan 2025 10:05

Tgt Ion:105 Resp: 595508

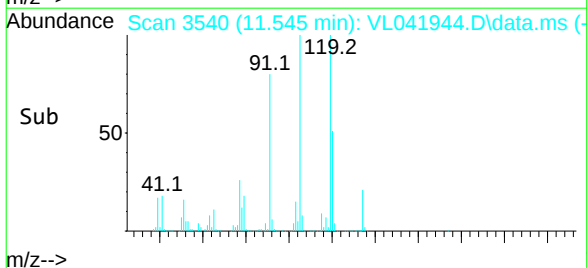
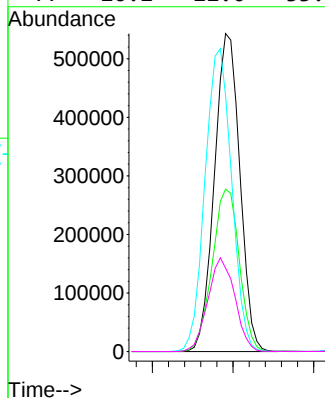
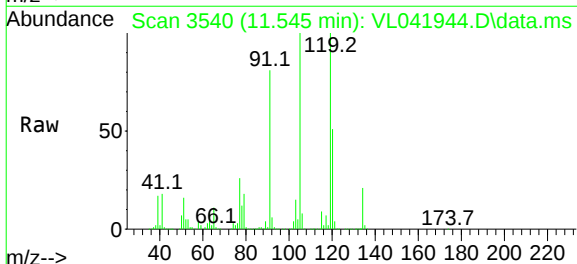
Ion Ratio Lower Upper

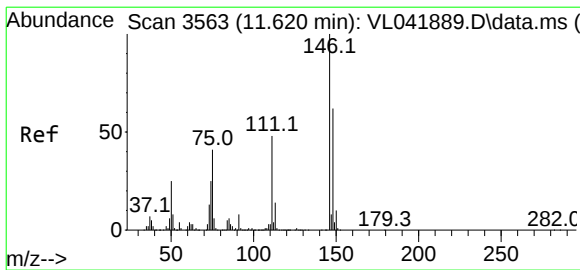
105 100

120 51.0 41.4 62.2

91 80.4 60.2 90.2

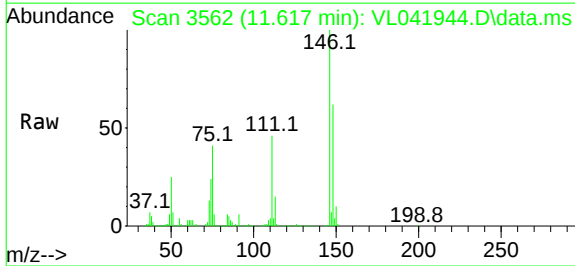
77 26.2 22.0 33.0





#75
1,3-Dichlorobenzene
Concen: 11.149 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

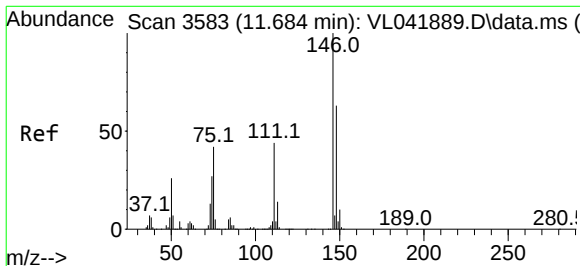
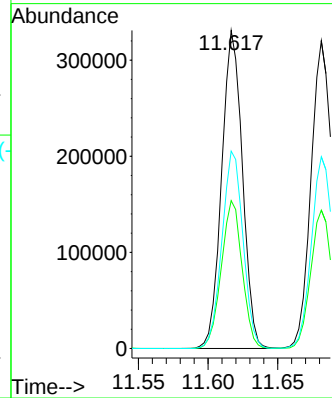
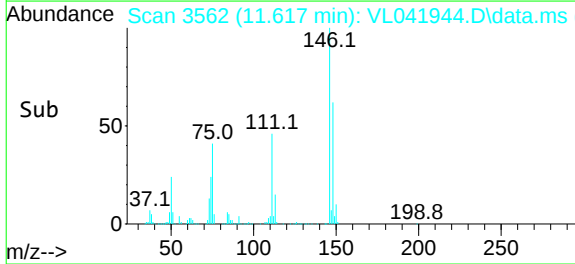
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:146 Resp: 342543
Ion Ratio Lower Upper
146 100
111 46.7 23.6 70.8
148 63.1 31.4 94.0

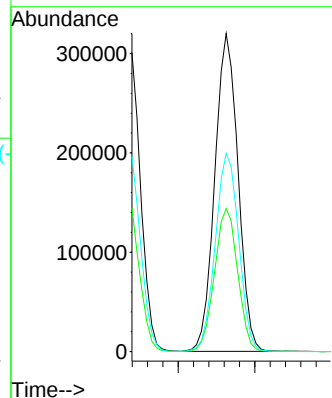
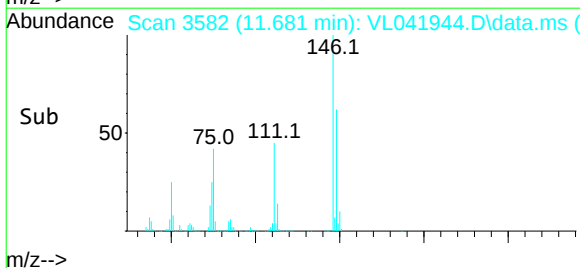
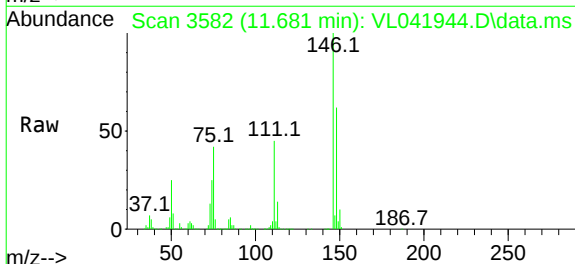
Manual Integrations
APPROVED

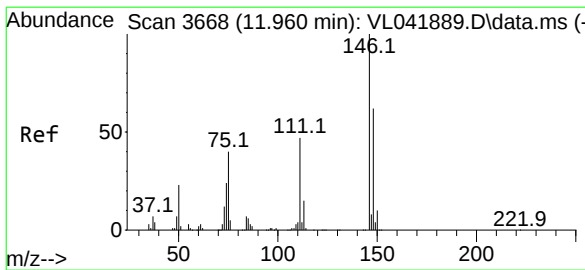
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#76
1,4-Dichlorobenzene
Concen: 11.213 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

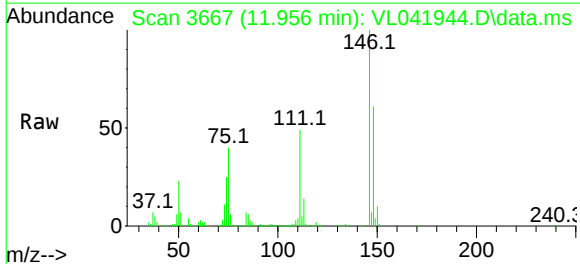
Tgt Ion:146 Resp: 337079
Ion Ratio Lower Upper
146 100
111 45.1 22.4 67.0
148 63.2 31.9 95.5





#77
1,2-Dichlorobenzene
Concen: 11.157 ppbv
RT: 11.956 min Scan# 3668
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

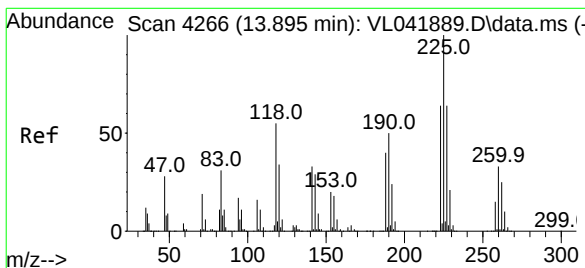
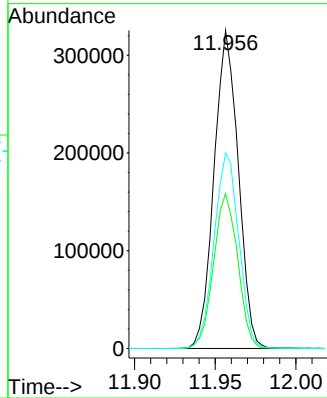
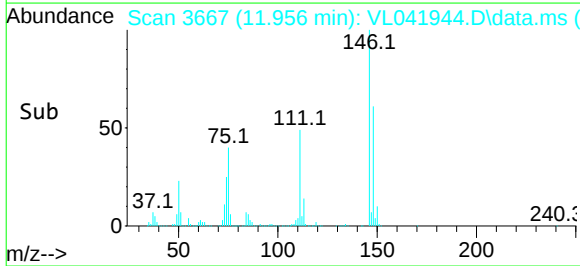
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



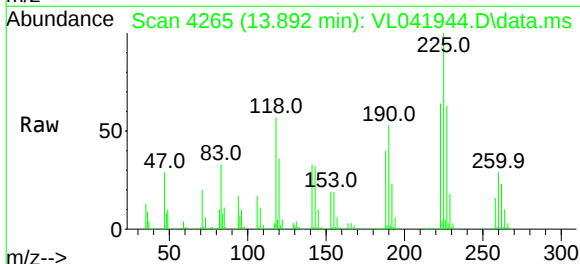
Tgt Ion:146 Resp: 339752
Ion Ratio Lower Upper
146 100
111 48.5 24.2 72.6
148 62.8 31.7 95.1

Manual Integrations
APPROVED

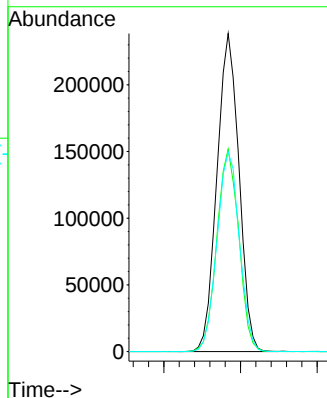
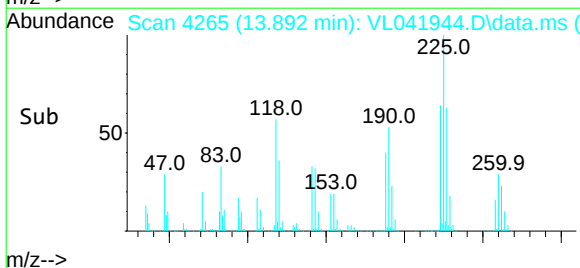
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

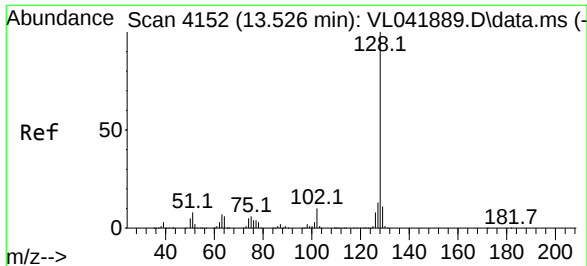


#78
Hexachloro-1,3-Butadiene
Concen: 9.523 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. -0.003 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05



Tgt Ion:225 Resp: 238004
Ion Ratio Lower Upper
225 100
223 63.2 50.8 76.2
227 63.8 50.3 75.5





#79

Naphthalene

Concen: 10.186 ppbv

RT: 13.523 min Scan# 4152

Delta R.T. -0.003 min

Lab File: VL041944.D

Acq: 27 Jan 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

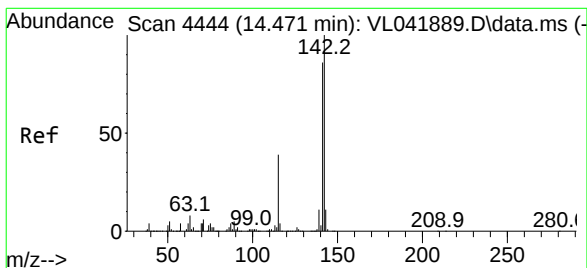
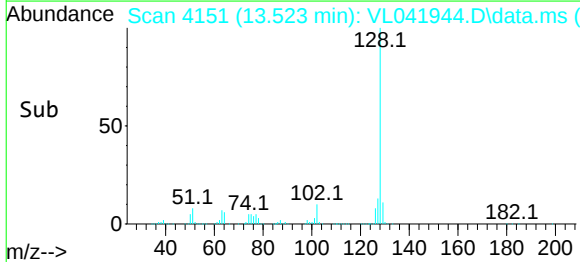
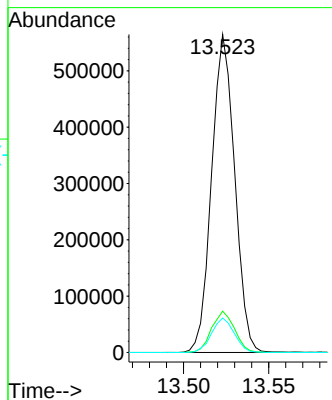
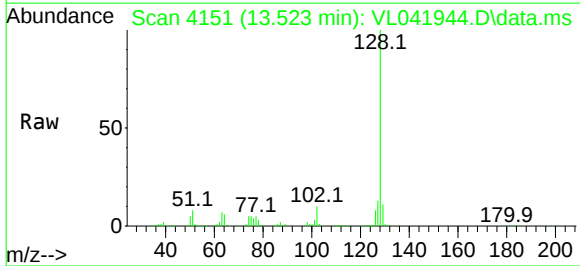
VSTDCCC010

Tgt Ion:	128	Resp:	531745
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.8	9.1	13.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#80

Naphthalene, 2-methyl-

Concen: 6.970 ppbv

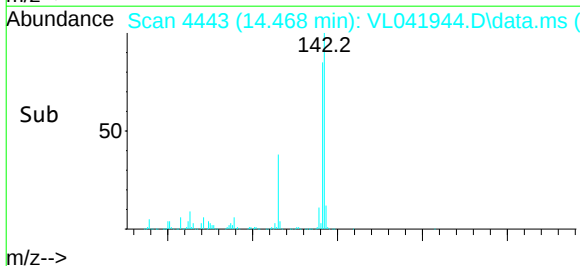
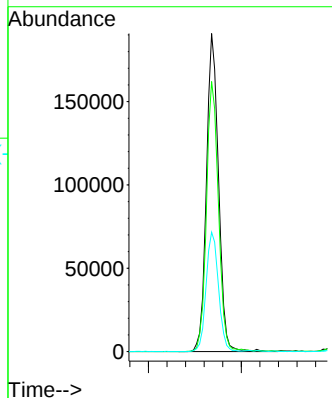
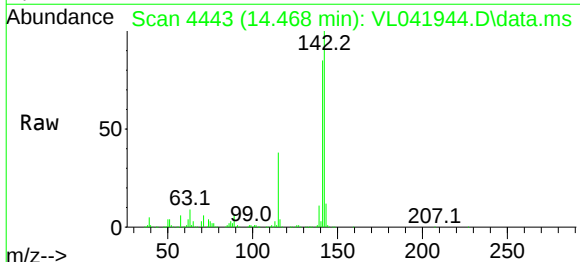
RT: 14.468 min Scan# 4443

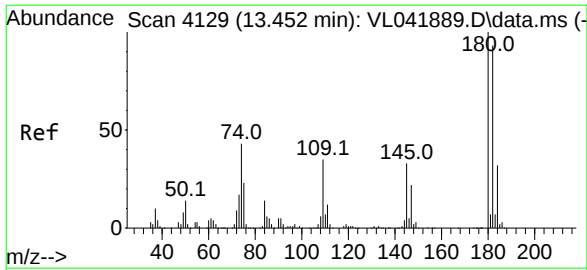
Delta R.T. -0.003 min

Lab File: VL041944.D

Acq: 27 Jan 2025 10:05

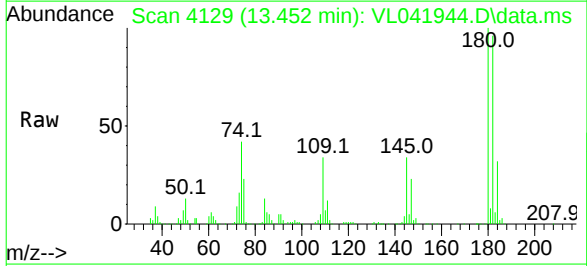
Tgt Ion:	142	Resp:	172526
Ion	Ratio	Lower	Upper
142	100		
141	84.6	68.1	102.1
115	38.5	31.7	47.5





#81
1,2,4-Trichlorobenzene
Concen: 9.503 ppbv
RT: 13.452 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041944.D
Acq: 27 Jan 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:180 Resp: 242148
Ion Ratio Lower Upper
180 100
182 96.5 77.0 115.6
184 30.0 24.9 37.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

