

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
 Data File : VL041975.D
 Acq On : 04 Feb 2025 08:34
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/04/2025
 Supervised By : Mahesh Dadoda 02/04/2025

Quant Time: Feb 04 09:12:51 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	2.797	49	151799	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	406425	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	349165	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.386 95 276076 10.039 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	215680	10.431	ppbv	98
3) Chlorodifluoromethane	1.479	51	226493	10.456	ppbv	99
4) Chloromethane	1.534	50	84814	10.907	ppbv	99
5) Vinyl Chloride	1.583	62	78609	9.980	ppbv	96
6) Bromomethane	1.670	94	37317	9.941	ppbv	92
7) Chloroethane	1.709	64	31601	10.312	ppbv	90
8) Dichlorotetrafluoroethane	1.557	85	179311	9.923	ppbv	98
9) Propene	1.486	41	87407	9.796	ppbv	97
10) Heptane	4.994	43	269065	11.281	ppbv	98
11) Trichlorofluoromethane	1.881	101	211652	9.840	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.146	101	167915	9.961	ppbv	99
13) Ethanol	1.725	45	4097	6.268	ppbv	90
14) Bromoethene	1.787	108	56936	9.225	ppbv	98
15) Acetone	1.839	43	174032	9.545	ppbv	100
16) 1,3-Butadiene	1.612	39	86003	10.510	ppbv	97
17) tert-Butyl alcohol	2.046	59	201308	8.971	ppbv	96
18) 1,1-Dichloroethene	2.039	96	73873	9.723	ppbv	98
19) Isopropyl Alcohol	1.890	45	98301	9.093	ppbv #	36
20) Methylene Chloride	2.065	84	64583	8.963	ppbv	92
21) Allyl Chloride	2.101	41	131041	10.380	ppbv	98
22) trans-1,2-Dichloroethene	2.347	96	83361	9.722	ppbv	95
23) Vinyl Acetate	2.470	43	73958	8.183	ppbv #	94
24) 1,1-Dichloroethane	2.415	63	169434	10.216	ppbv	98
25) Ethyl Acetate	2.845	43	544036	11.066	ppbv	99
26) Hexane	2.835	57	209291	10.763	ppbv	94
27) Carbon Disulfide	2.156	76	201943	10.495	ppbv	99
28) Methyl tert-Butyl Ether	2.447	73	107427	7.228	ppbv	99
29) Chloroform	2.855	83	325456	10.588	ppbv	99
30) Cyclohexane	3.871	84	171298	10.156	ppbv	98
31) cis-1,2-Dichloroethene	2.729	61	195717	9.559	ppbv	94
32) 1,1,1-Trichloroethane	3.379	97	306440	10.419	ppbv	99
34) 2-Butanone	2.567	43	294967	11.412	ppbv	98
35) Carbon Tetrachloride	3.774	117	314279	12.311	ppbv	98
36) Benzene	3.667	78	421071	11.296	ppbv	98
37) 1,2-Dichloroethane	3.227	62	233761	11.166	ppbv	100
38) Trichloroethene	4.564	130	167501	11.323	ppbv	96
39) 1,2-Dichloropropane	4.327	63	149318	11.419	ppbv	95
40) 1,4-Dioxane	4.599	88	71655	10.851	ppbv #	100
41) Tetrahydrofuran	3.065	42	165320	11.769	ppbv	96
42) Bromodichloromethane	4.505	83	325890	11.610	ppbv	100
43) Methyl Methacrylate	4.897	69	149800	10.817	ppbv	96
44) 2,2,4-Trimethylpentane	4.654	57	726996	12.057	ppbv	99
45) t-1,3-Dichloropropene	6.435	75	134110	10.346	ppbv	97

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

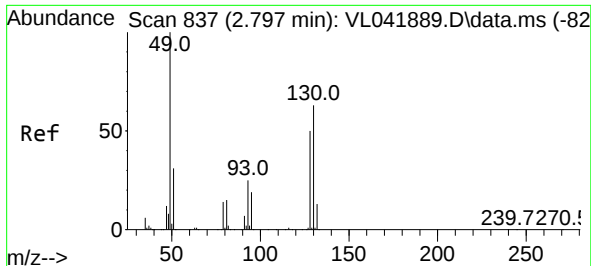
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

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

Response via : Initial Calibration

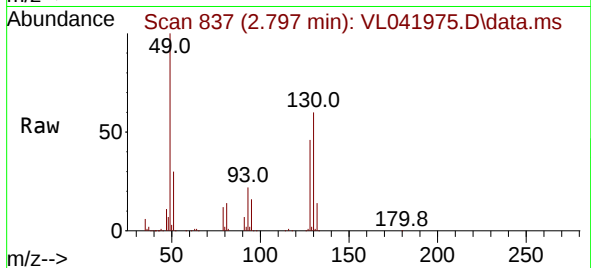
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	184550	10.844	ppbv	99
47) 1,1,2-Trichloroethane	6.600	97	168219	12.138	ppbv	96
48) Dibromochloromethane	7.402	129	252709	11.818	ppbv	100
49) Bromoform	9.493	173	214835	12.231	ppbv	99
50) 4-Methyl-2-Pentanone	5.774	43	426844	12.097	ppbv	98
51) 2-Hexanone	7.451	43	335938	12.391	ppbv #	96
52) Tetrachloroethene	8.237	164	135069	10.450	ppbv	97
53) Toluene	6.949	91	468681	11.543	ppbv	100
54) 1,2-Dibromoethane	7.668	107	223193	11.715	ppbv	92
56) 1,1,1,2-Tetrachloroethane	8.936	131	220240	12.643	ppbv	99
57) Chlorobenzene	8.933	112	401878	12.478	ppbv	99
58) Ethyl Benzene	9.367	91	658933	12.075	ppbv	96
59) m/p-Xylene	9.561	91	1129226m	25.818	ppbv	
60) o-Xylene	9.975	91	557105	12.832	ppbv	98
61) Styrene	9.882	104	239200	12.282	ppbv	99
62) Isopropylbenzene	10.548	105	825901	12.294	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	357674	12.893	ppbv	100
64) n-propylbenzene	10.998	120	218875	12.894	ppbv	99
65) tert-Butylbenzene	11.542	119	744179	12.156	ppbv	99
66) Benzyl Chloride	11.626	91	42794	11.293	ppbv	100
67) sec-Butylbenzene	11.775	105	1042572	12.367	ppbv	99
69) p-Isopropyltoluene	11.934	119	863419	12.438	ppbv	98
70) n-Butylbenzene	12.290	91	838410	12.178	ppbv	100
71) 2-Chlorotoluene	10.911	91	611081	12.297	ppbv	99
72) 4-Ethyltoluene	11.134	105	675766	13.013	ppbv	100
73) 1,3,5-Trimethylbenzene	11.215	105	572424	12.482	ppbv	95
74) 1,2,4-Trimethylbenzene	11.545	105	630559	12.696	ppbv	99
75) 1,3-Dichlorobenzene	11.616	146	366863	12.466	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	363709	12.632	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	359344	12.320	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	216903	9.060	ppbv	100
79) Naphthalene	13.523	128	505212	10.103	ppbv	99
80) Naphthalene,2-methyl-	14.468	142	159000	6.707	ppbv	99
81) 1,2,4-Trichlorobenzene	13.448	180	217837	8.925	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 837
Delta R.T. -0.000 min
Lab File: VL041975.D
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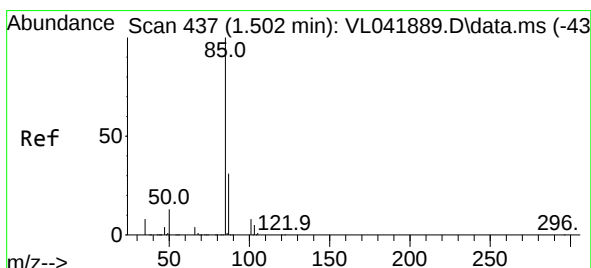
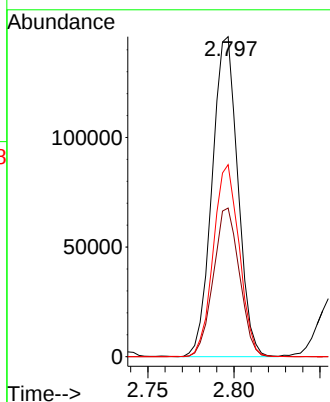
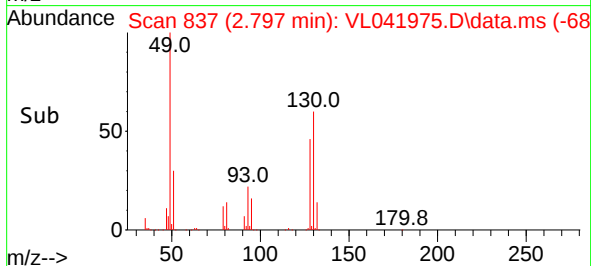
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



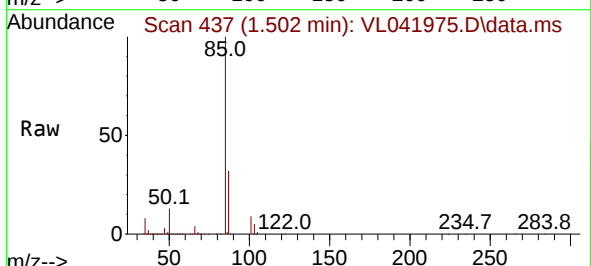
Tgt Ion: 49 Resp: 151799
Ion Ratio Lower Upper
49 100
128 47.0 24.3 73.0
130 60.2 31.1 93.2

Manual Integrations
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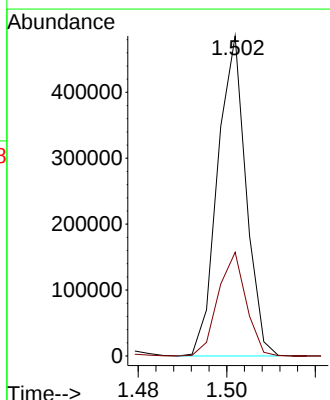
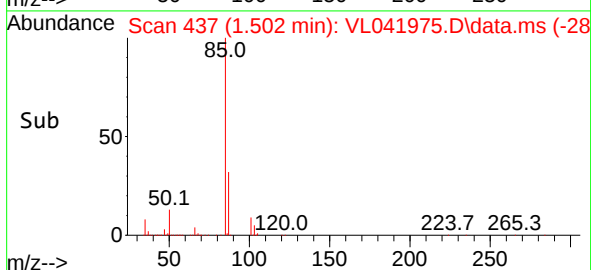
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025

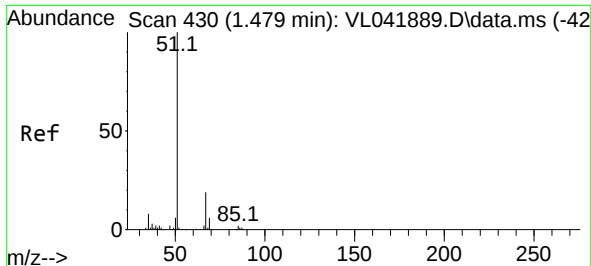


#2
Dichlorodifluoromethane
Concen: 10.431 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34



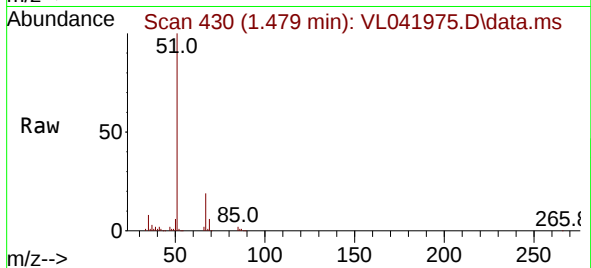
Tgt Ion: 85 Resp: 215680
Ion Ratio Lower Upper
85 100
87 32.4 24.9 37.3





#3
Chlorodifluoromethane
Concen: 10.456 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

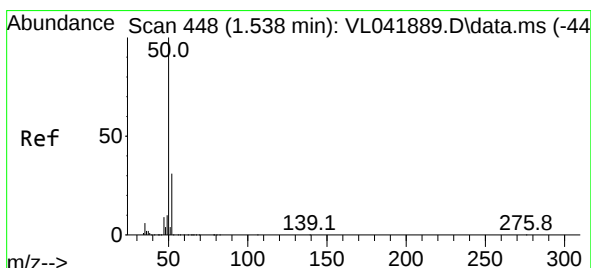
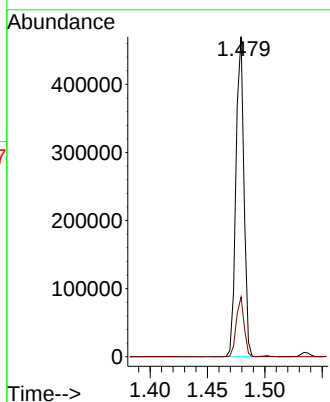
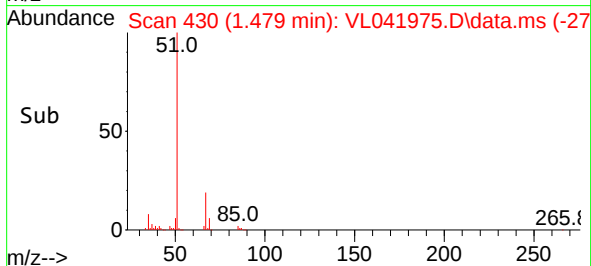
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MSVOA_L
ClientSampleId :
VSTDCCC010EC



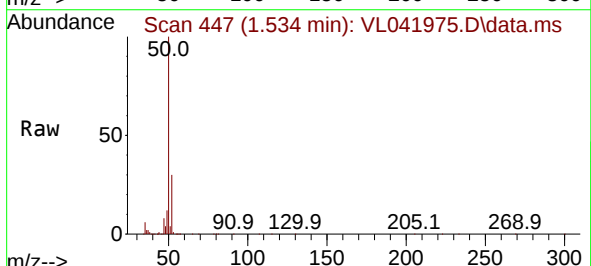
Tgt Ion: 51 Resp: 226493
Ion Ratio Lower Upper
51 100
67 18.3 15.0 22.4

Manual Integrations
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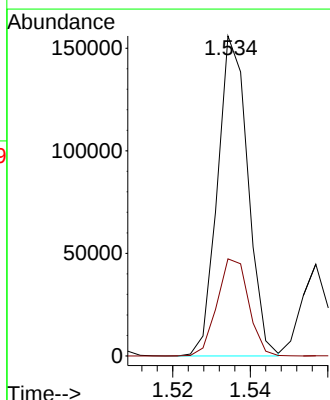
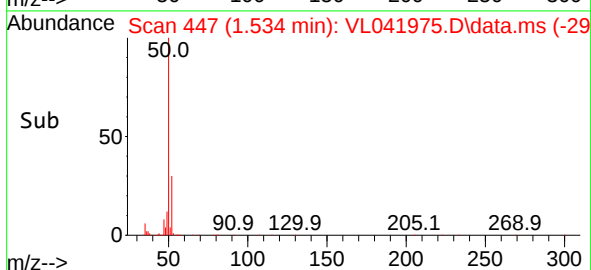
Reviewed By :Semsettin Yesilyurt 02/04/2025
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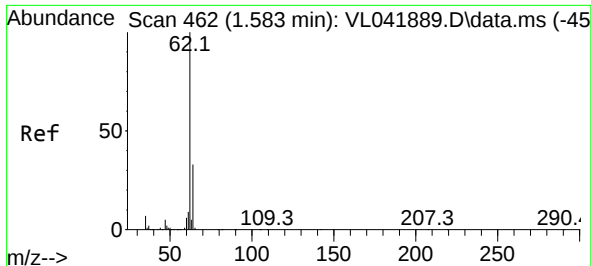


#4
Chloromethane
Concen: 10.907 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34



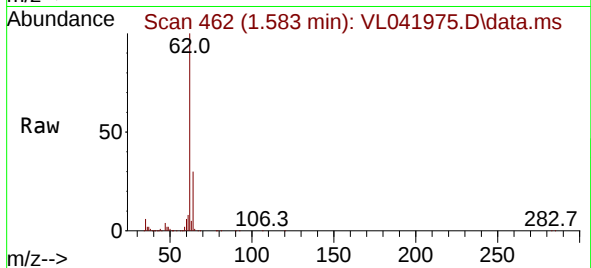
Tgt Ion: 50 Resp: 84814
Ion Ratio Lower Upper
50 100
52 30.3 24.6 36.8





#5
 Vinyl Chloride
 Concen: 9.980 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL041975.D
 Acq: 04 Feb 2025 08:34

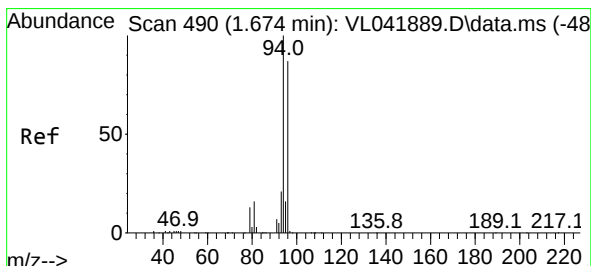
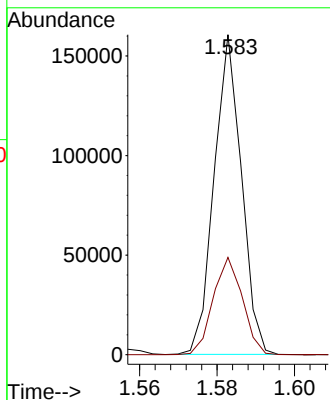
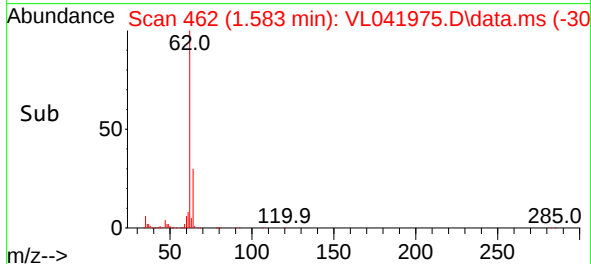
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



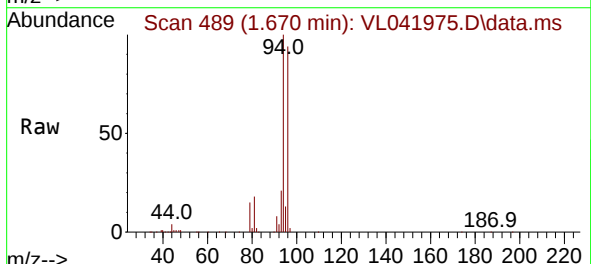
Tgt Ion: 62 Resp: 78609
 Ion Ratio Lower Upper
 62 100
 64 30.4 26.1 39.1

Manual Integrations
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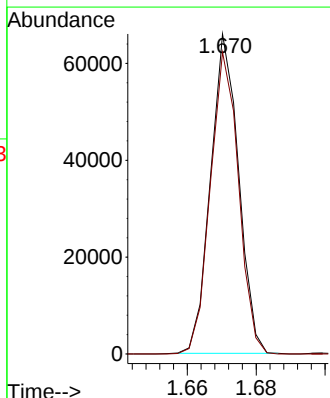
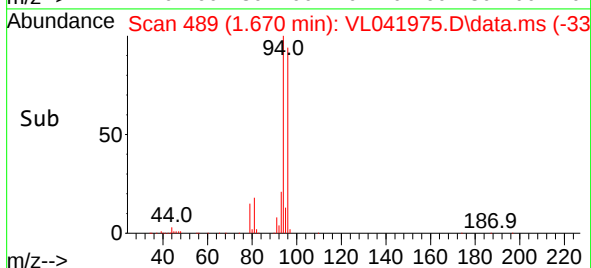
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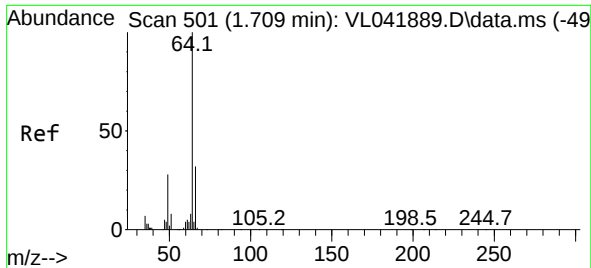


#6
 Bromomethane
 Concen: 9.941 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL041975.D
 Acq: 04 Feb 2025 08:34



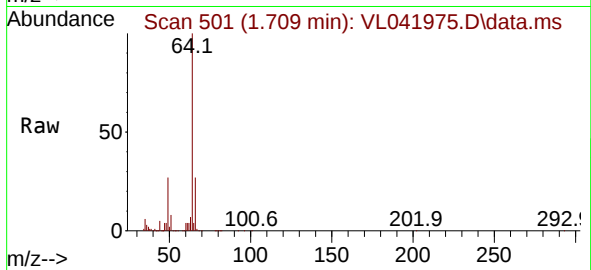
Tgt Ion: 94 Resp: 37317
 Ion Ratio Lower Upper
 94 100
 96 94.5 69.5 104.3





#7
Chloroethane
Concen: 10.312 ppbv
RT: 1.709 min Scan# 501
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

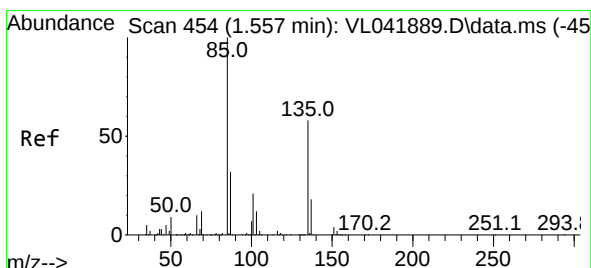
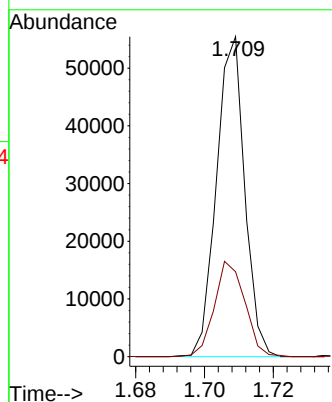
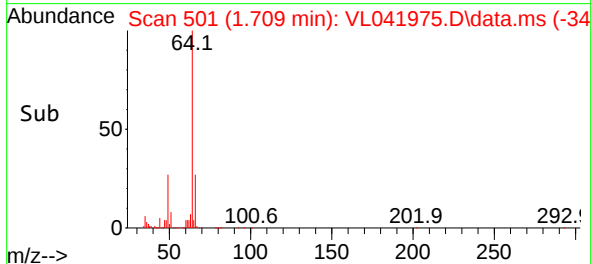
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



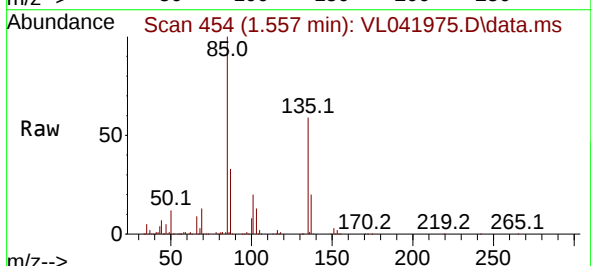
Tgt Ion: 64 Resp: 3160
Ion Ratio Lower Upper
64 100
66 26.5 25.7 38.5

Manual Integrations
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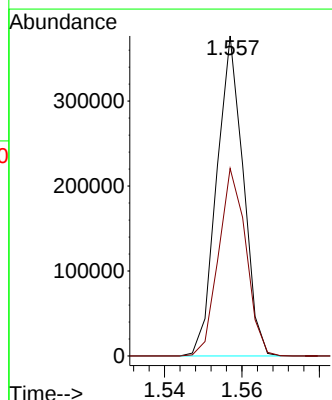
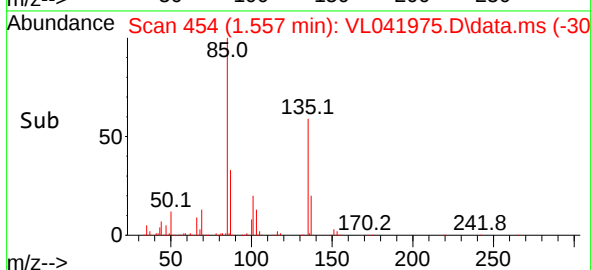
Reviewed By :Semsettin Yesilyurt 02/04/2025
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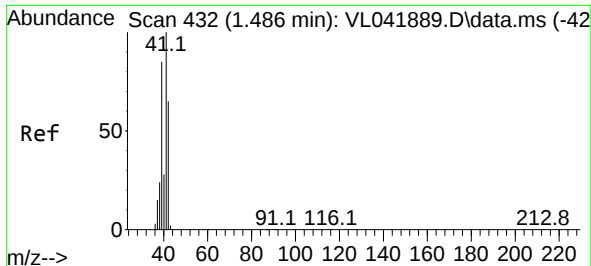


#8
Dichlorotetrafluoroethane
Concen: 9.923 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34



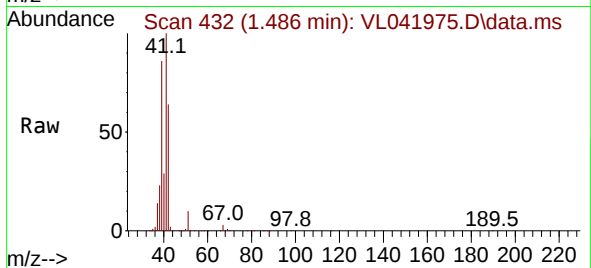
Tgt Ion: 85 Resp: 179311
Ion Ratio Lower Upper
85 100
135 60.8 50.0 75.0





#9
Propene
Concen: 9.796 ppbv
RT: 1.486 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

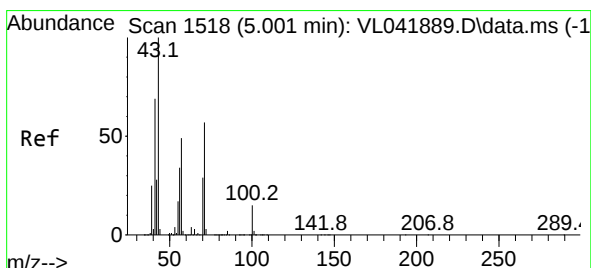
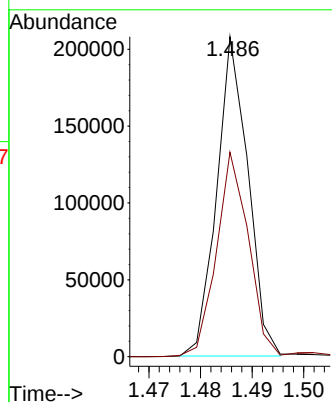
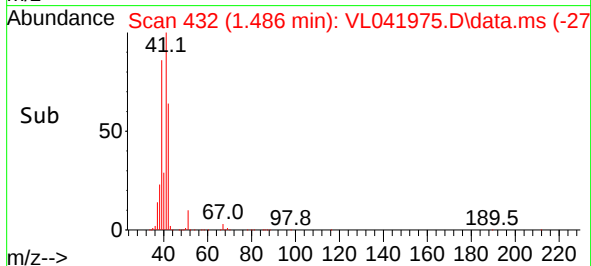
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



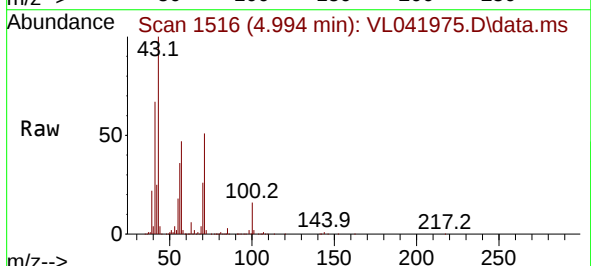
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Ion Ratio Lower Upper
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Manual Integrations
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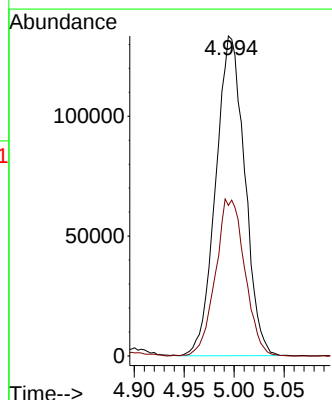
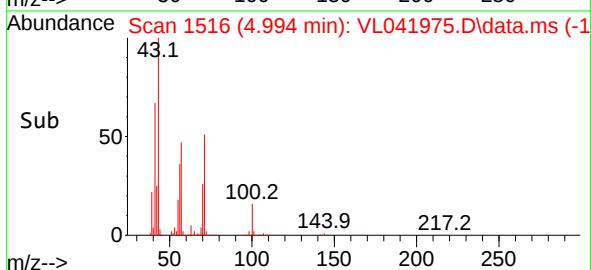
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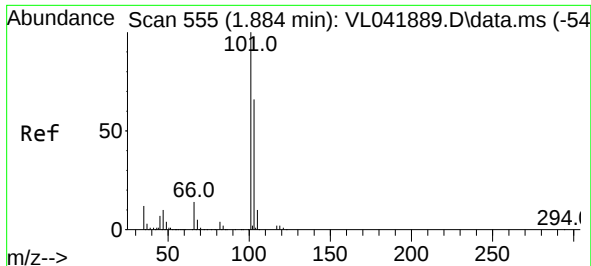


#10
Heptane
Concen: 11.281 ppbv
RT: 4.994 min Scan# 1516
Delta R.T. -0.007 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34



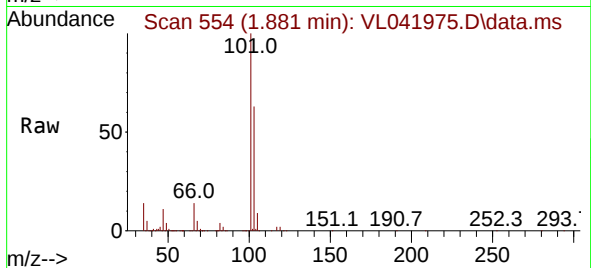
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Ion Ratio Lower Upper
43 100
57 49.7 41.0 61.4





#11
Trichlorofluoromethane
Concen: 9.840 ppbv
RT: 1.881 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

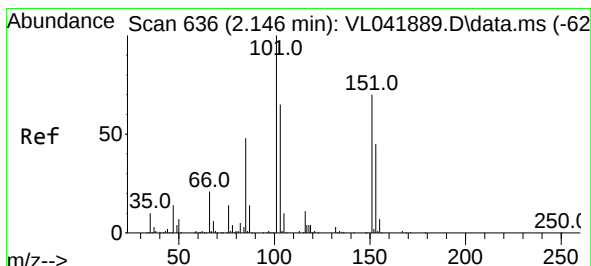
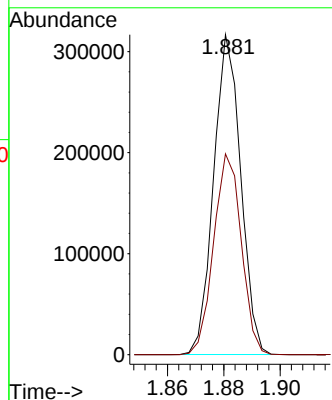
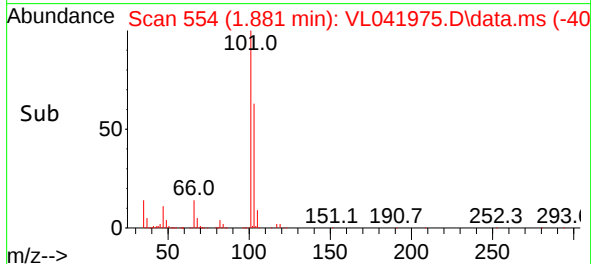
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



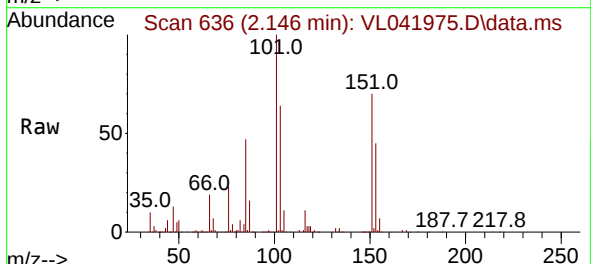
Tgt Ion:101 Resp: 211652
Ion Ratio Lower Upper
101 100
103 62.7 53.1 79.7

Manual Integrations
APPROVED

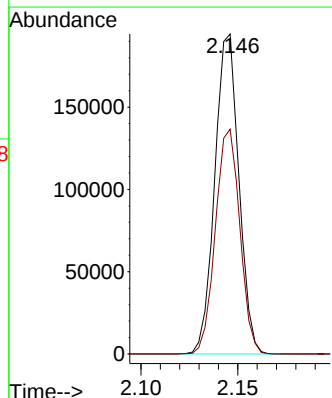
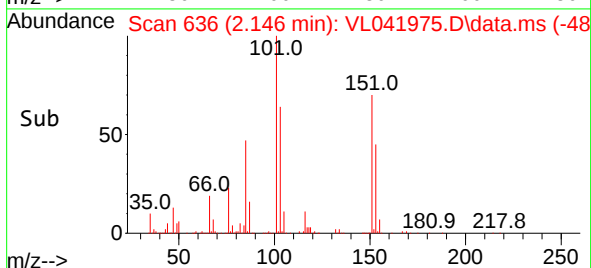
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025

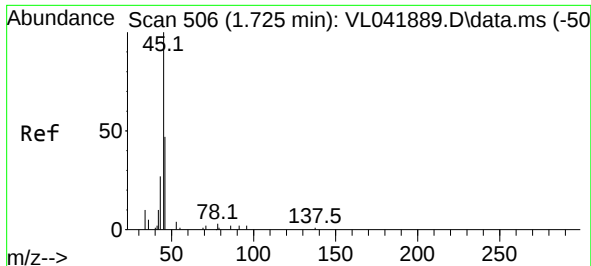


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.961 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34



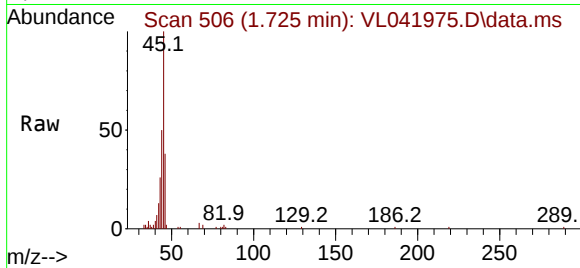
Tgt Ion:101 Resp: 167915
Ion Ratio Lower Upper
101 100
151 71.3 56.1 84.1





#13
Ethanol
Concen: 6.268 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

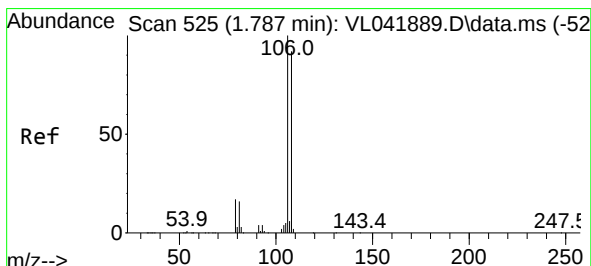
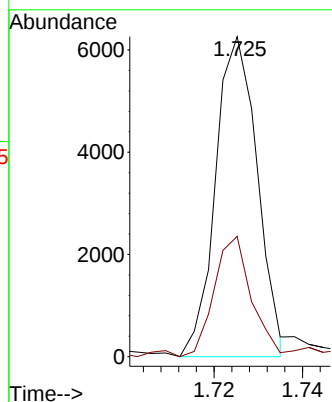
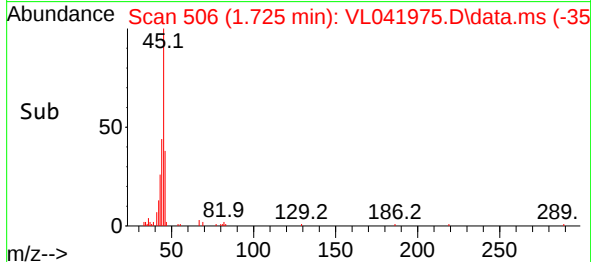
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



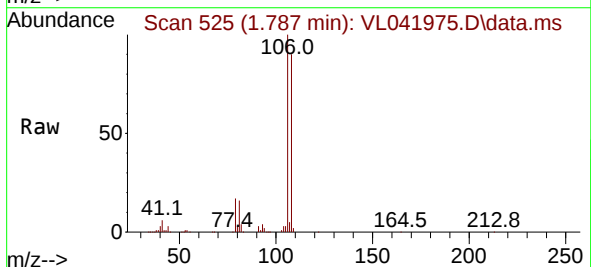
Tgt Ion: 45 Resp: 409
Ion Ratio Lower Upper
45 100
46 39.0 18.1 72.5

Manual Integrations
APPROVED

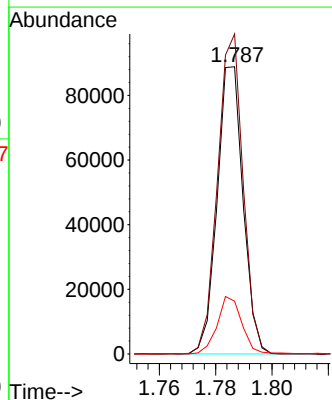
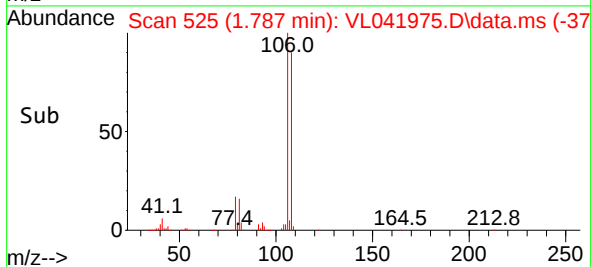
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025

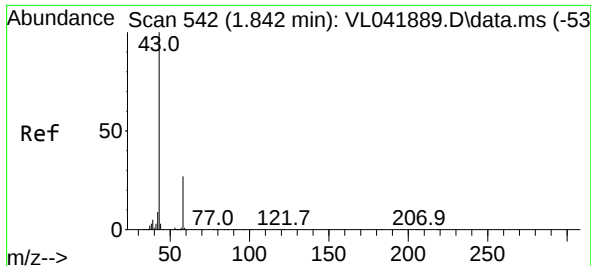


#14
Bromoethene
Concen: 9.225 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34



Tgt Ion:108 Resp: 56936
Ion Ratio Lower Upper
108 100
106 109.2 85.5 128.3
79 19.3 15.3 22.9





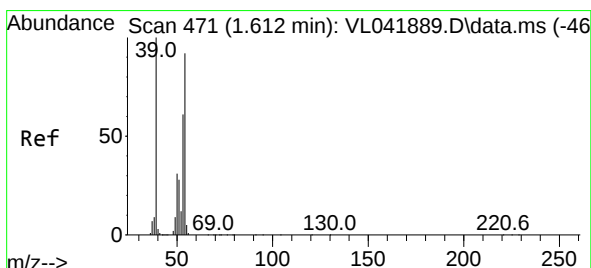
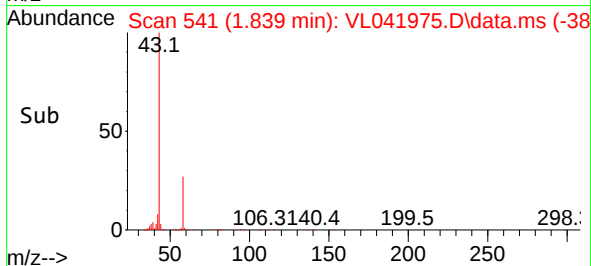
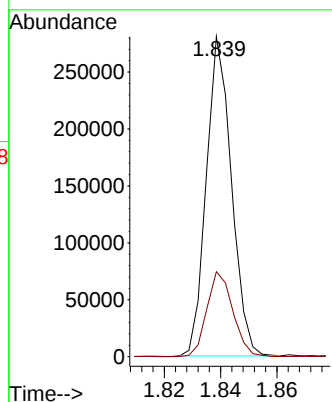
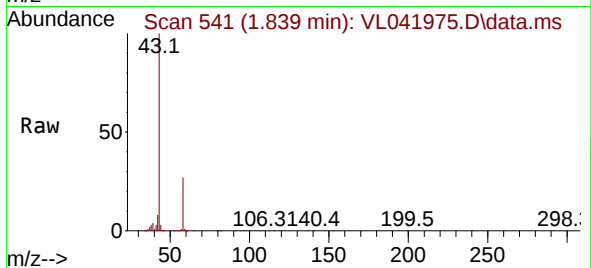
#15
Acetone
Concen: 9.545 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 174032
Ion Ratio Lower Upper
43 100
58 27.7 21.9 32.9

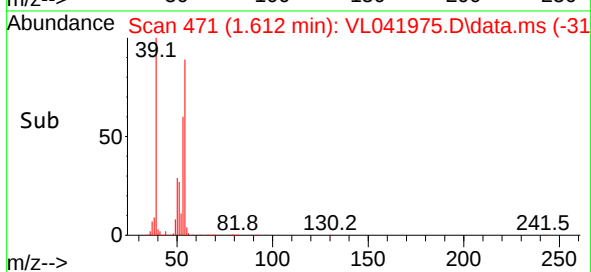
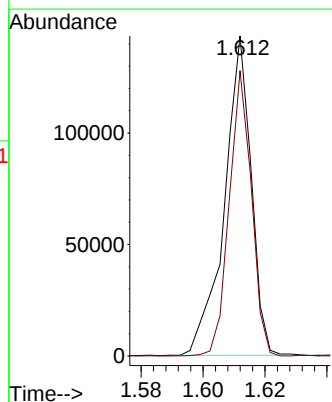
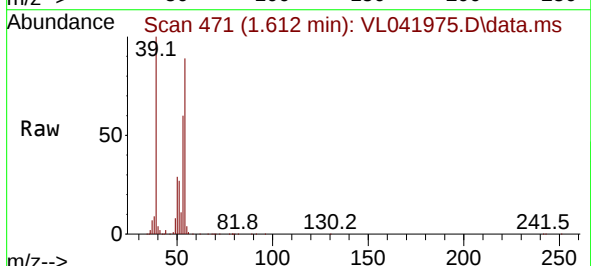
Manual Integrations
APPROVED

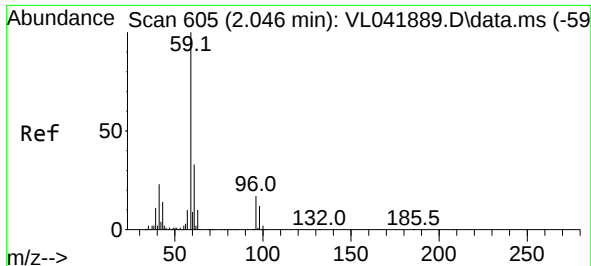
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#16
1,3-Butadiene
Concen: 10.510 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

Tgt Ion: 39 Resp: 86003
Ion Ratio Lower Upper
39 100
54 74.2 61.6 92.4





#17

tert-Butyl alcohol

Concen: 8.971 ppbv

RT: 2.046 min Scan# 605

Delta R.T. -0.000 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 59 Resp: 201308

Ion Ratio Lower Upper

59 100

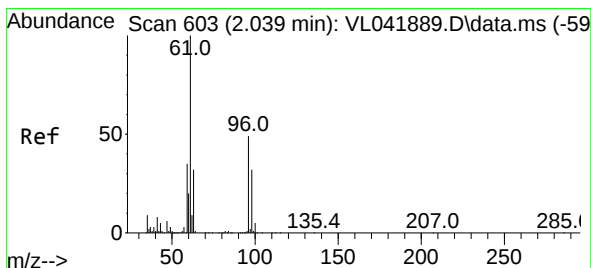
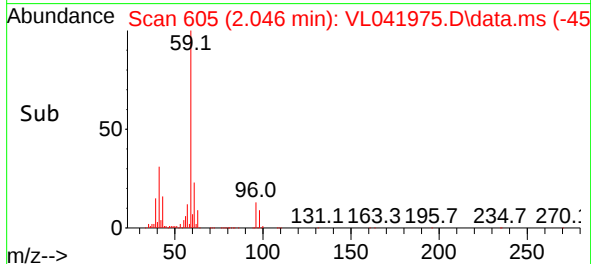
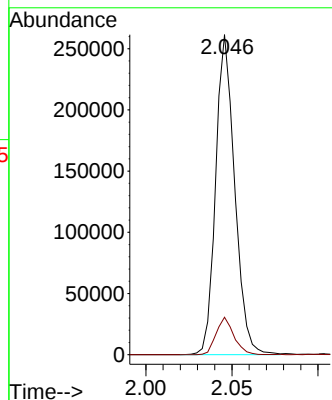
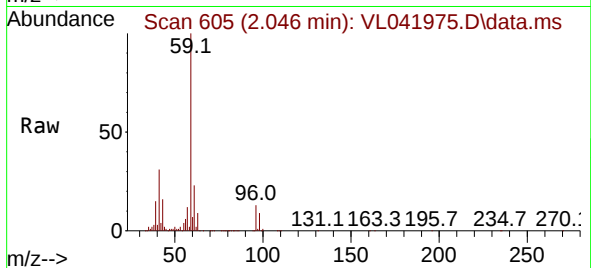
57 11.1 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025

Supervised By :Mahesh Dadoda 02/04/2025



#18

1,1-Dichloroethene

Concen: 9.723 ppbv

RT: 2.039 min Scan# 603

Delta R.T. -0.000 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

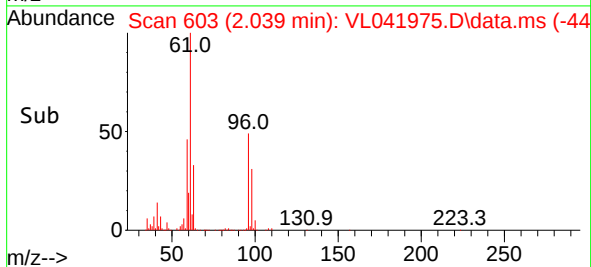
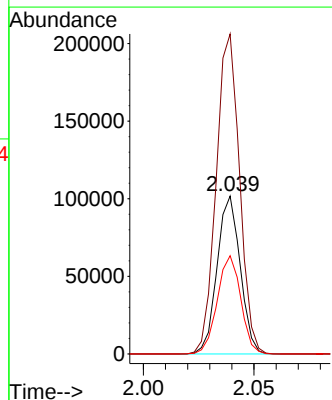
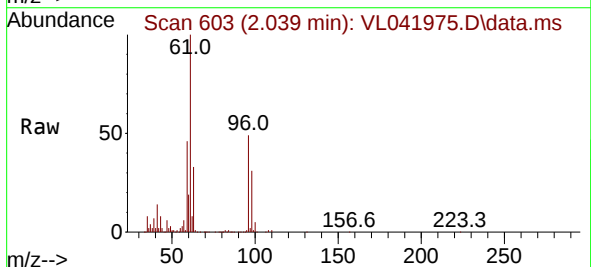
Tgt Ion: 96 Resp: 73873

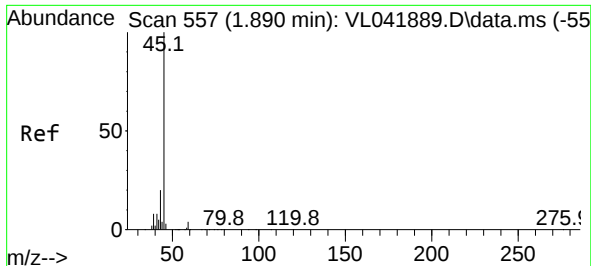
Ion Ratio Lower Upper

96 100

61 202.6 163.1 244.7

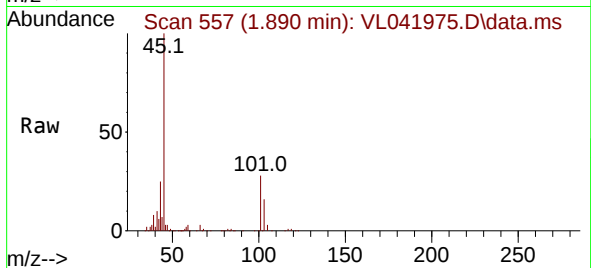
98 62.2 52.7 79.1





#19
Isopropyl Alcohol
Concen: 9.093 ppbv
RT: 1.890 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

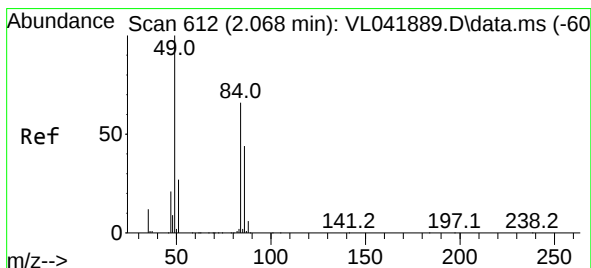
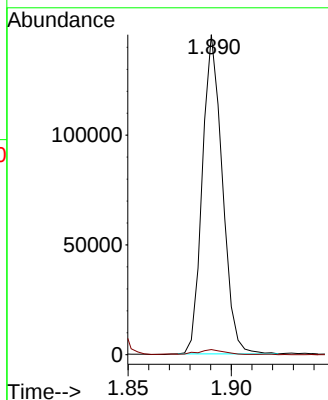
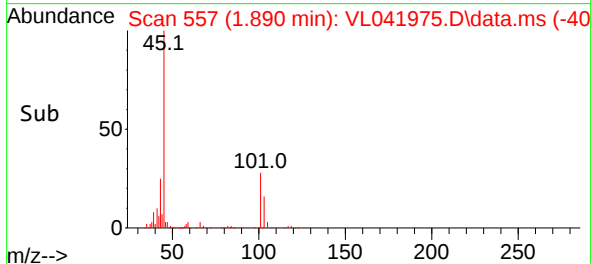
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



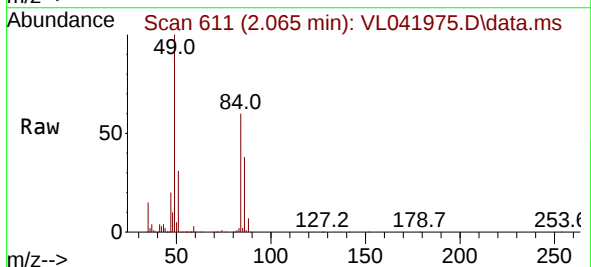
Tgt Ion: 45 Resp: 9830
Ion Ratio Lower Upper
45 100
58 2.4 35.0 52.6

Manual Integrations
APPROVED

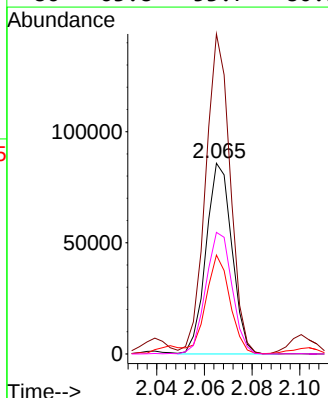
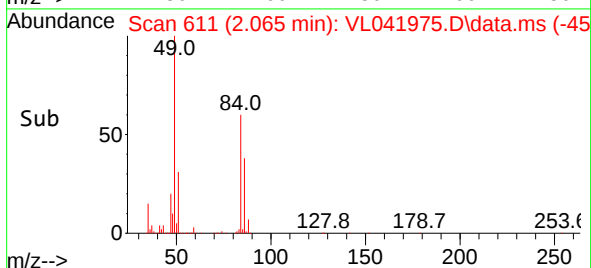
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025

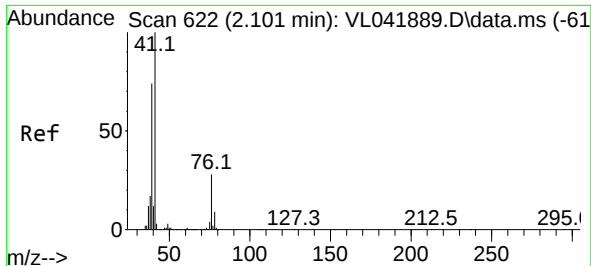


#20
Methylene Chloride
Concen: 8.963 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34



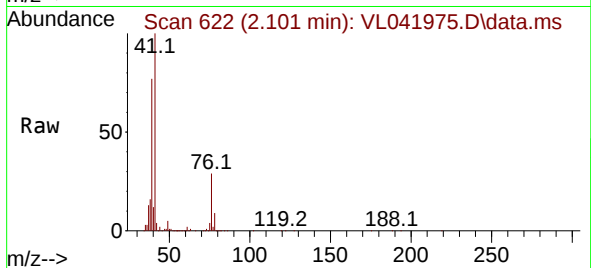
Tgt Ion: 84 Resp: 64583
Ion Ratio Lower Upper
84 100
49 166.2 123.1 184.7
51 51.1 35.8 53.8
86 63.8 53.7 80.5





#21
 Allyl Chloride
 Concen: 10.380 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL041975.D
 Acq: 04 Feb 2025 08:34

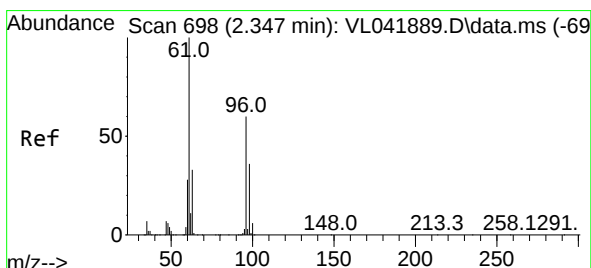
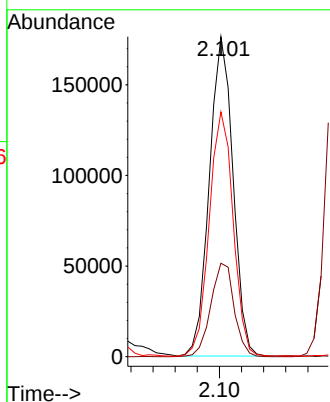
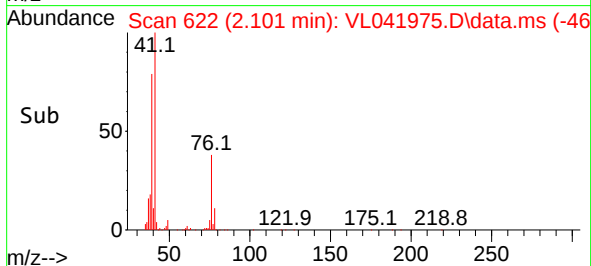
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



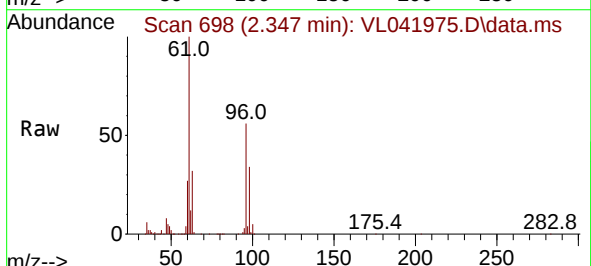
Tgt Ion: 41 Resp: 13104
 Ion Ratio Lower Upper
 41 100
 76 28.8 24.2 36.4
 39 76.8 60.6 91.0

Manual Integrations
 APPROVED

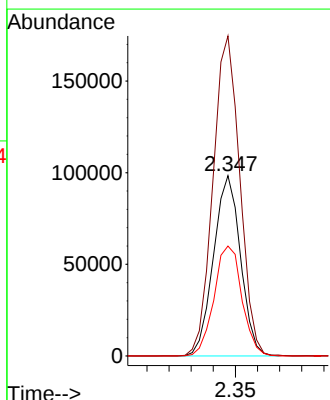
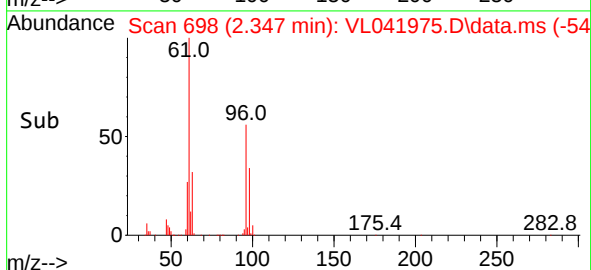
Reviewed By :Semsettin Yesilyurt 02/04/2025
 Supervised By :Mahesh Dadoda 02/04/2025

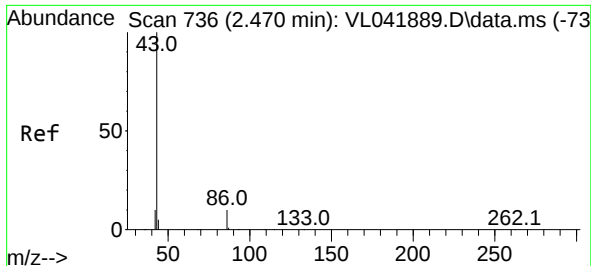


#22
 trans-1,2-Dichloroethene
 Concen: 9.722 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. -0.000 min
 Lab File: VL041975.D
 Acq: 04 Feb 2025 08:34



Tgt Ion: 96 Resp: 83361
 Ion Ratio Lower Upper
 96 100
 61 177.4 134.5 201.7
 98 61.0 48.9 73.3





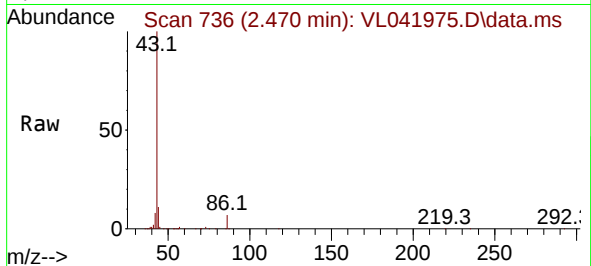
#23
 Vinyl Acetate
 Concen: 8.183 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. -0.000 min
 Lab File: VL041975.D
 Acq: 04 Feb 2025 08:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

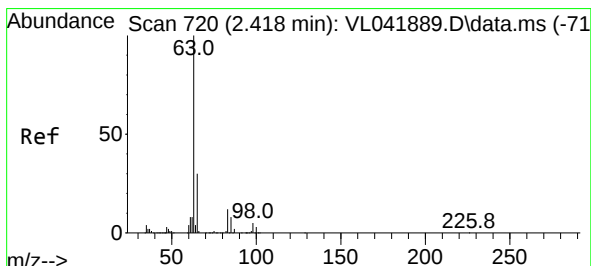
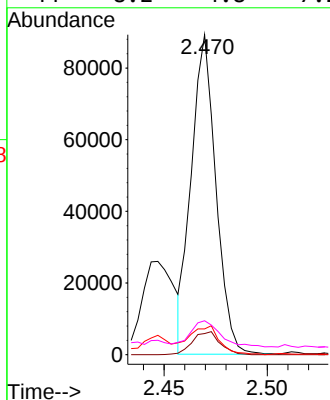
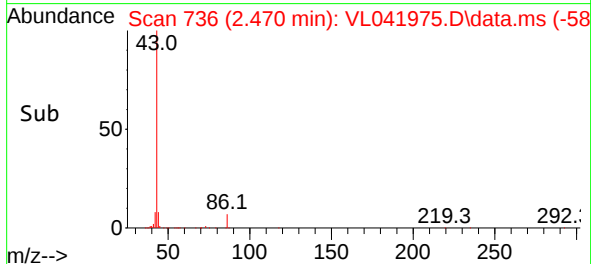


Tgt Ion: 43 Resp: 73958
 Ion Ratio Lower Upper
 43 100
 86 6.6 6.2 9.4
 42 7.7 8.5 12.7
 44 8.2 4.8 7.2

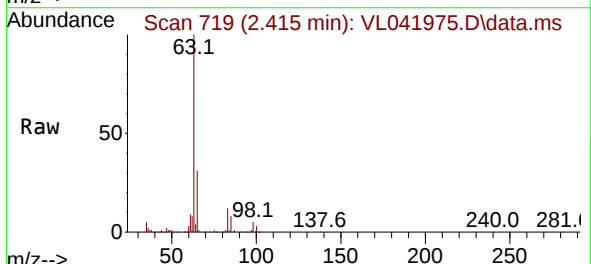
Manual Integrations

APPROVED

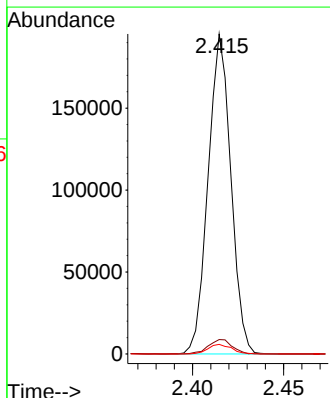
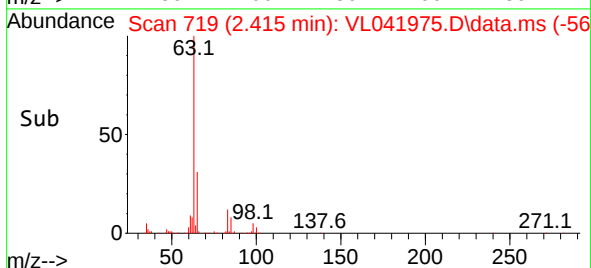
Reviewed By :Semsettin Yesilyurt 02/04/2025
 Supervised By :Mahesh Dadoda 02/04/2025

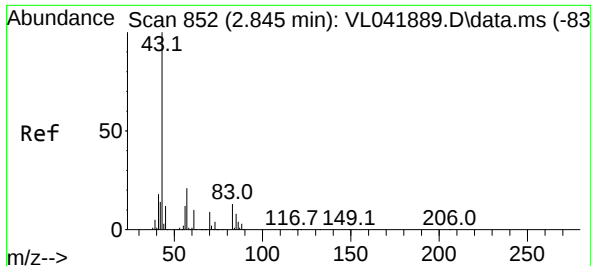


#24
 1,1-Dichloroethane
 Concen: 10.216 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL041975.D
 Acq: 04 Feb 2025 08:34



Tgt Ion: 63 Resp: 169434
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.6 7.8
 100 3.0 1.4 4.2





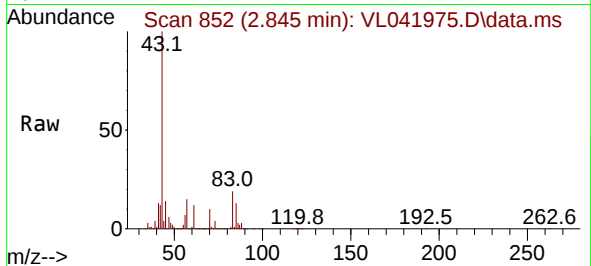
#25
Ethyl Acetate
Concen: 11.066 ppbv
RT: 2.845 min Scan# 852
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

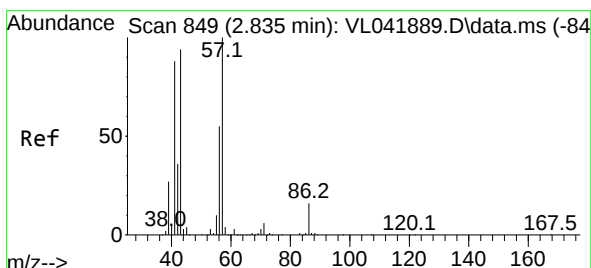
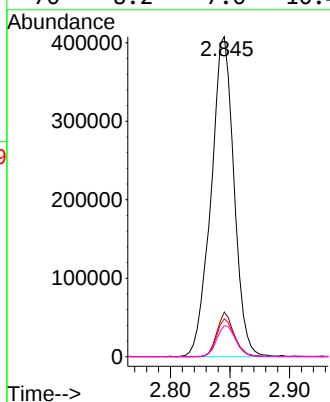
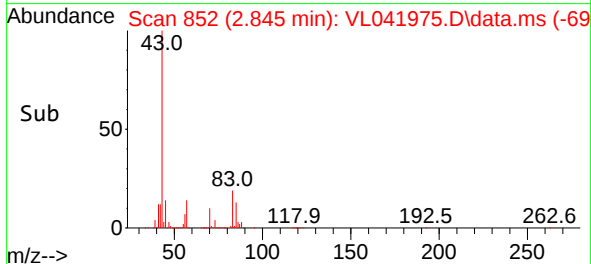


Tgt Ion: 43 Resp: 544030
Ion Ratio Lower Upper
43 100
45 10.4 8.2 12.2
61 9.2 7.4 11.0
70 8.2 7.0 10.4

Manual Integrations

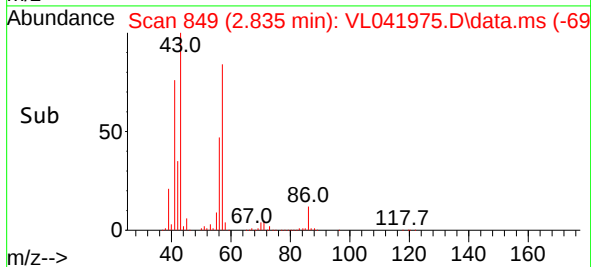
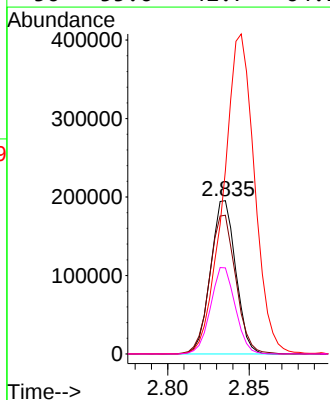
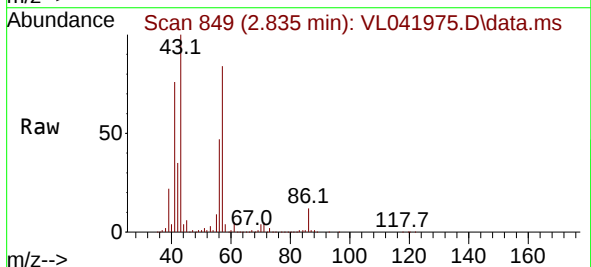
APPROVED

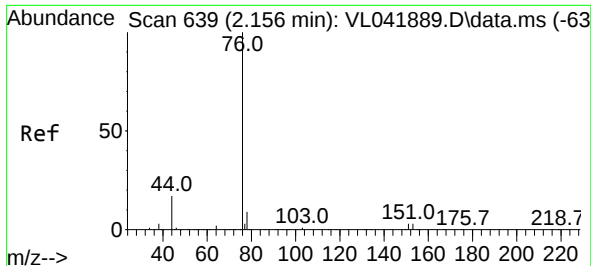
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#26
Hexane
Concen: 10.763 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

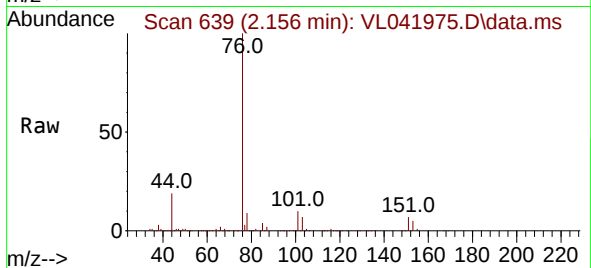
Tgt Ion: 57 Resp: 209291
Ion Ratio Lower Upper
57 100
41 94.8 73.8 110.8
43 260.2 197.3 295.9
56 55.6 42.7 64.1





#27
Carbon Disulfide
Concen: 10.495 ppbv
RT: 2.156 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

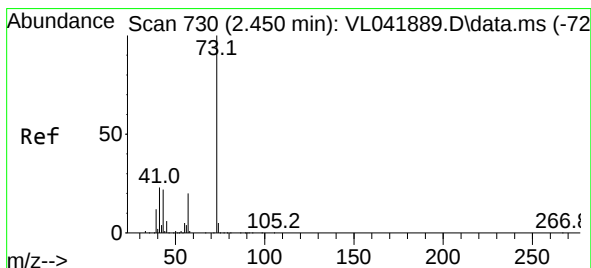
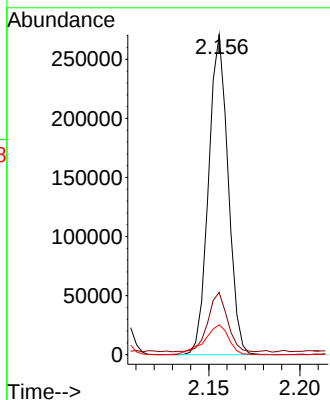
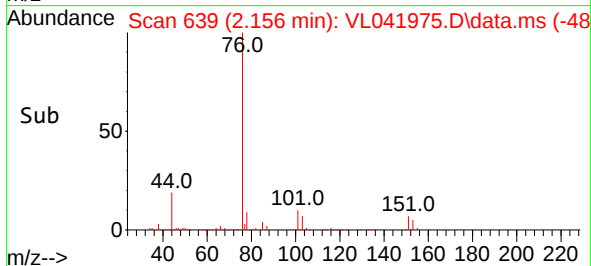
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



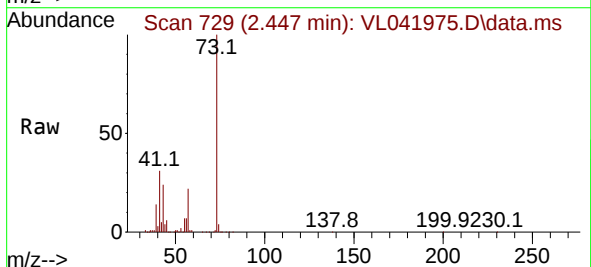
Tgt Ion: 76 Resp: 20194
Ion Ratio Lower Upper
76 100
44 18.7 15.4 23.0
78 11.6 9.3 13.9

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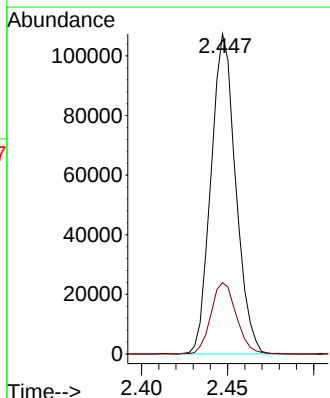
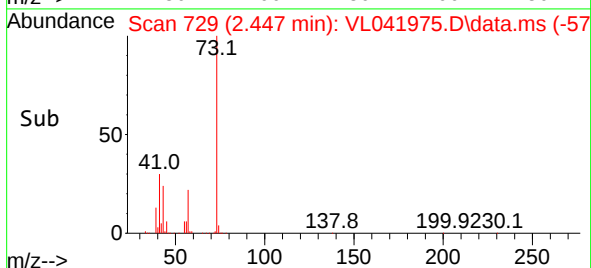
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025

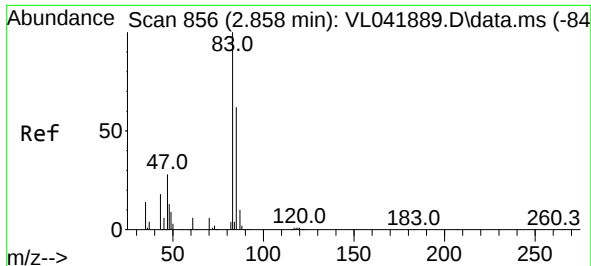


#28
Methyl tert-Butyl Ether
Concen: 7.228 ppbv
RT: 2.447 min Scan# 729
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34



Tgt Ion: 73 Resp: 107427
Ion Ratio Lower Upper
73 100
57 23.0 18.1 27.1





#29

Chloroform

Concen: 10.588 ppbv

RT: 2.855 min Scan# 85

Delta R.T. -0.003 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 325450

Ion Ratio Lower Upper

83 100

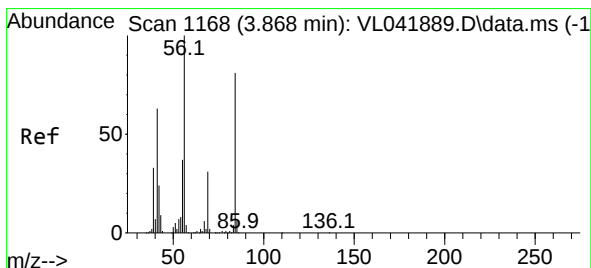
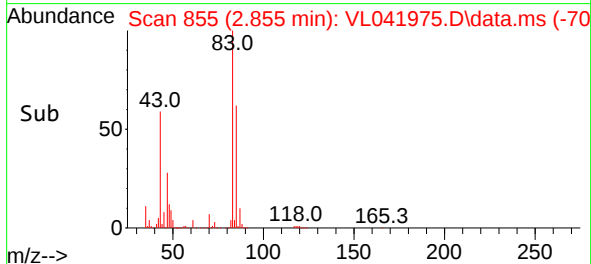
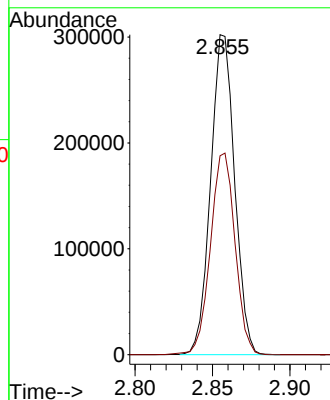
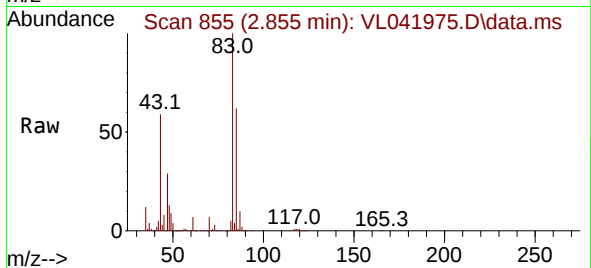
85 62.2 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025

Supervised By :Mahesh Dadoda 02/04/2025



#30

Cyclohexane

Concen: 10.156 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. 0.003 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

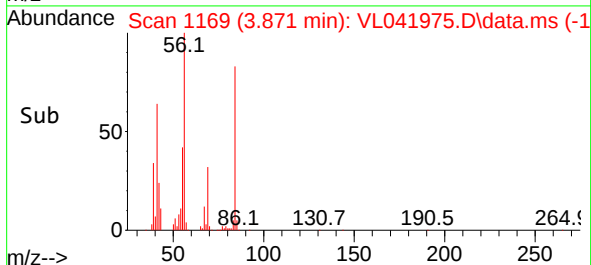
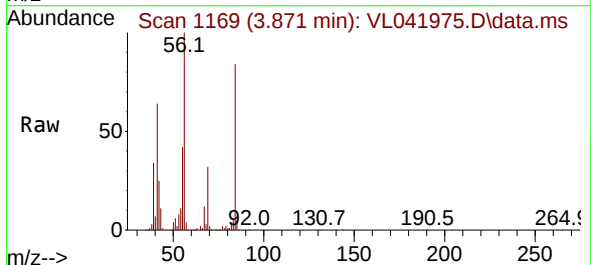
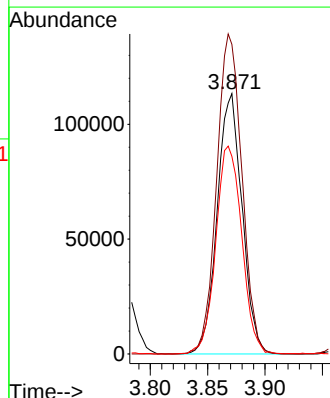
Tgt Ion: 84 Resp: 171298

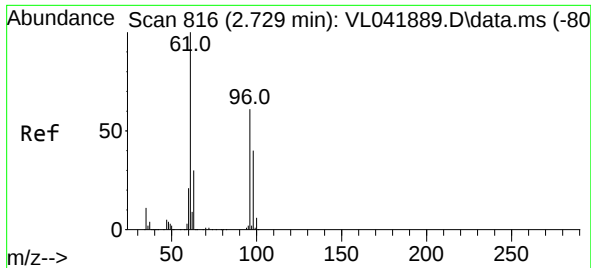
Ion Ratio Lower Upper

84 100

56 124.6 99.3 148.9

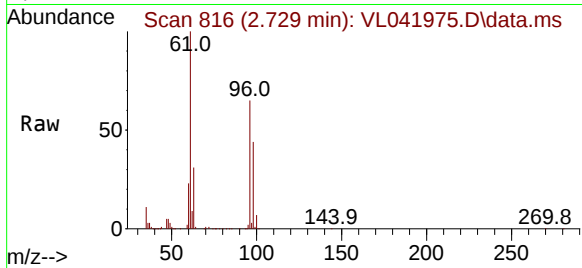
41 83.4 64.3 96.5





#31
 cis-1,2-Dichloroethene
 Concen: 9.559 ppbv
 RT: 2.729 min Scan# 816
 Delta R.T. -0.000 min
 Lab File: VL041975.D
 Acq: 04 Feb 2025 08:34

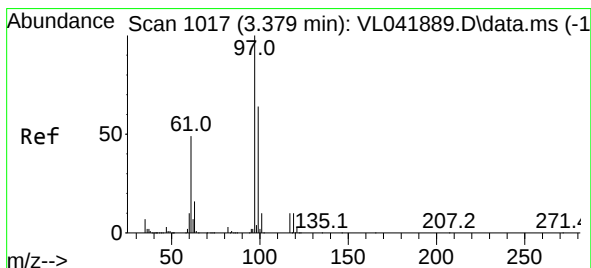
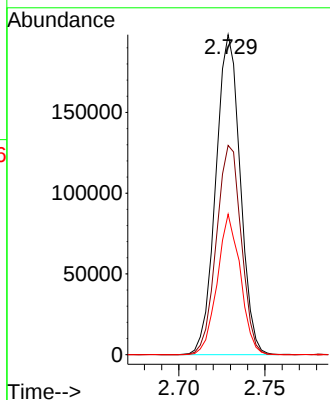
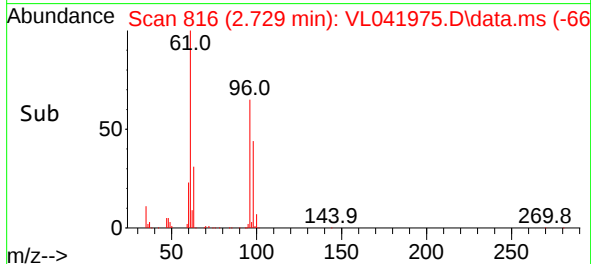
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



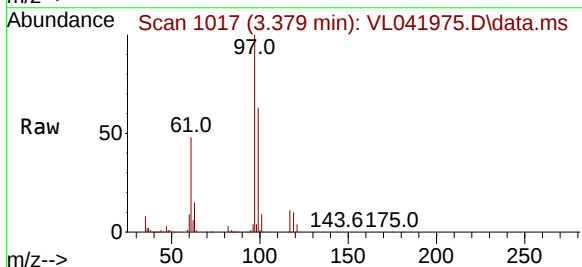
Tgt Ion: 61 Resp: 195717
 Ion Ratio Lower Upper
 61 100
 96 65.4 48.7 73.1
 98 43.9 31.6 47.4

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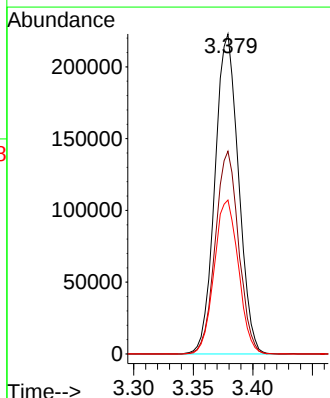
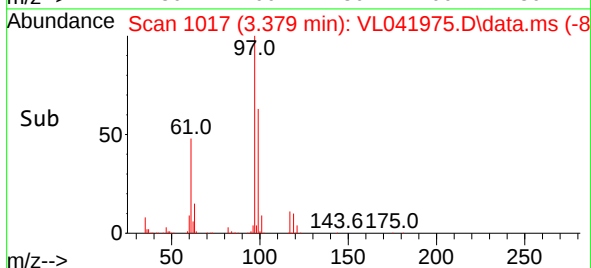
Reviewed By :Semsettin Yesilyurt 02/04/2025
 Supervised By :Mahesh Dadoda 02/04/2025

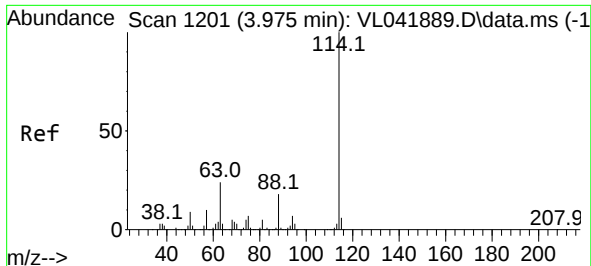


#32
 1,1,1-Trichloroethane
 Concen: 10.419 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. -0.000 min
 Lab File: VL041975.D
 Acq: 04 Feb 2025 08:34



Tgt Ion: 97 Resp: 306440
 Ion Ratio Lower Upper
 97 100
 99 62.8 51.1 76.7
 61 49.5 39.0 58.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.971 min Scan# 1114

Delta R.T. -0.003 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:114 Resp: 406429

Ion Ratio Lower Upper

114 100

63 24.3 19.8 29.6

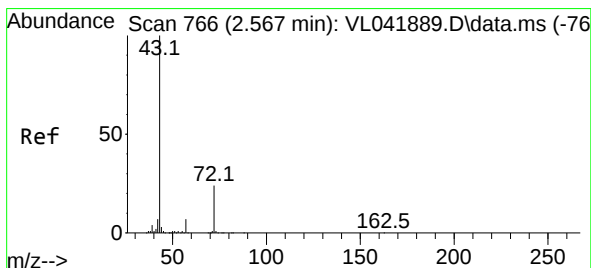
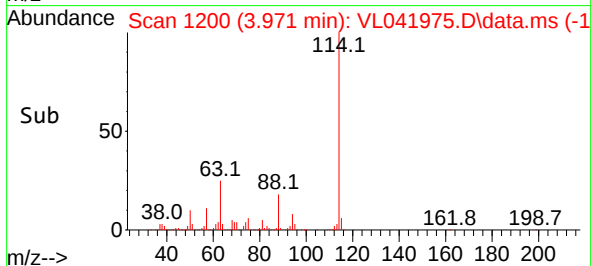
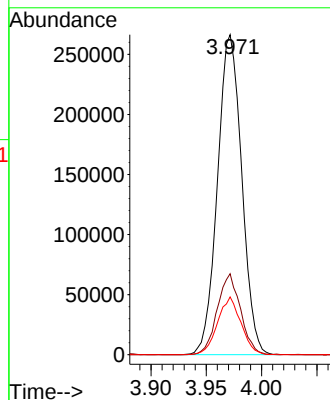
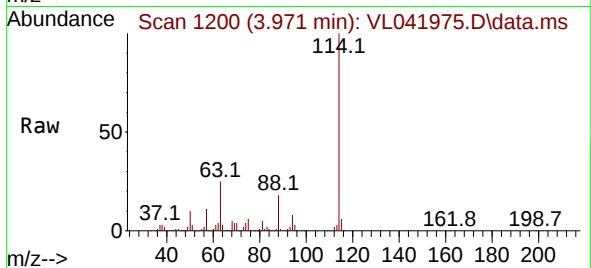
88 17.4 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025

Supervised By :Mahesh Dadoda 02/04/2025



#34

2-Butanone

Concen: 11.412 ppbv

RT: 2.567 min Scan# 766

Delta R.T. -0.000 min

Lab File: VL041975.D

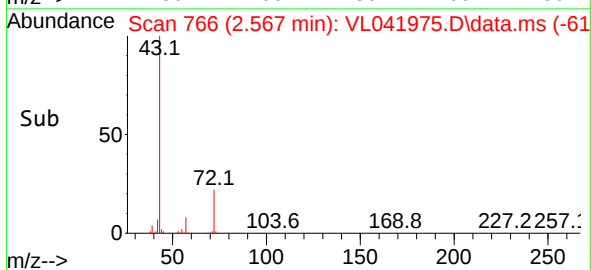
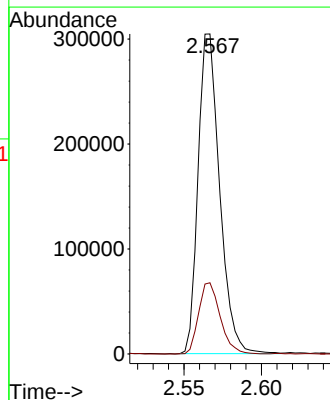
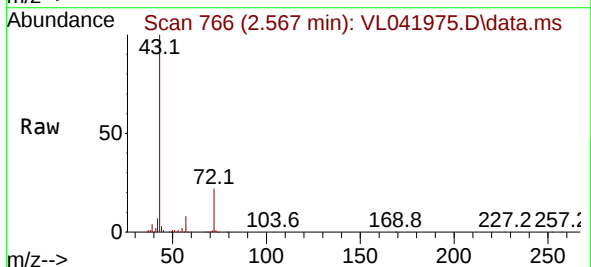
Acq: 04 Feb 2025 08:34

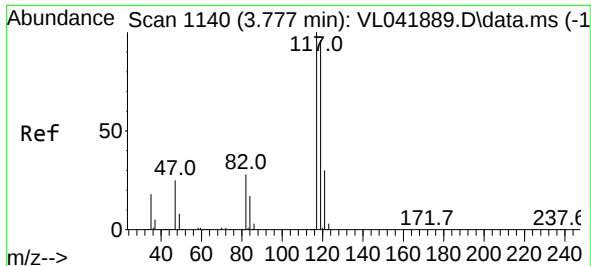
Tgt Ion: 43 Resp: 294967

Ion Ratio Lower Upper

43 100

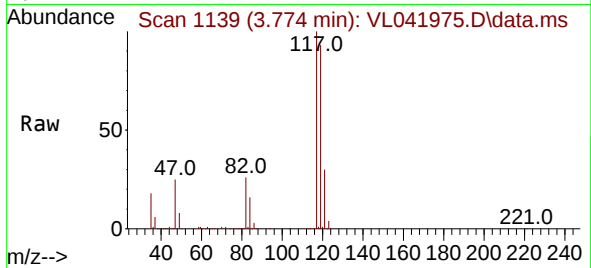
72 22.4 18.6 28.0





#35
Carbon Tetrachloride
Concen: 12.311 ppbv
RT: 3.774 min Scan# 1139
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

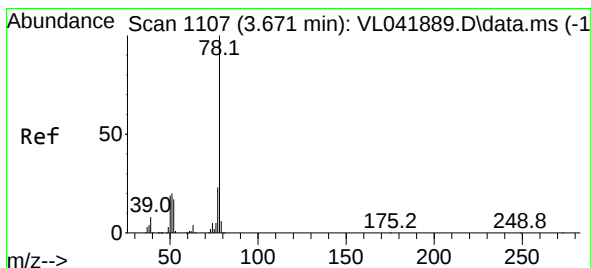
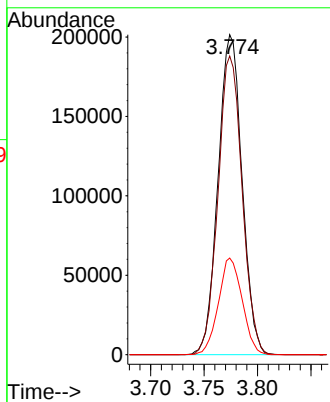
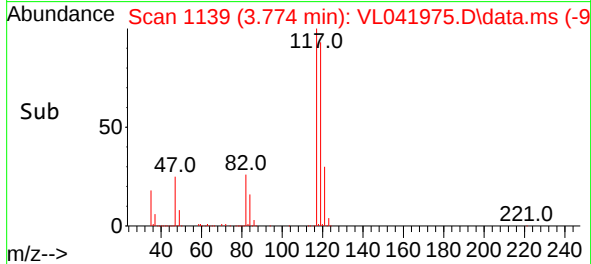
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



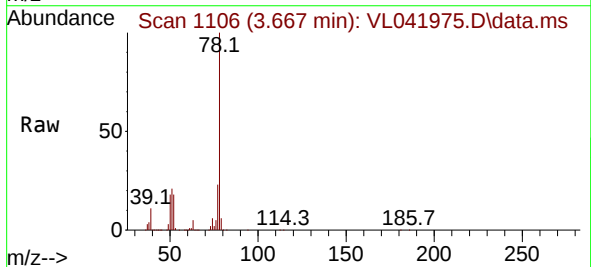
Tgt Ion: 117 Resp: 314279
Ion Ratio Lower Upper
117 100
119 93.4 76.9 115.3
121 30.2 23.8 35.6

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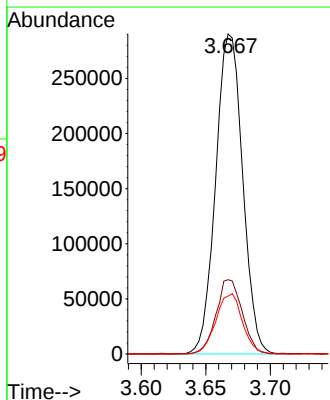
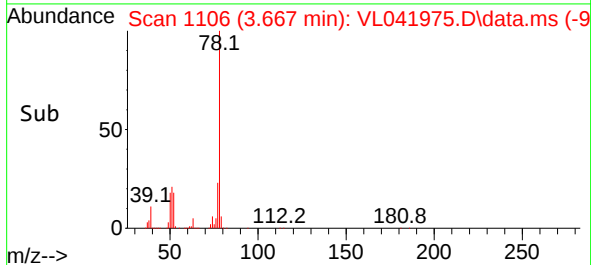
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025

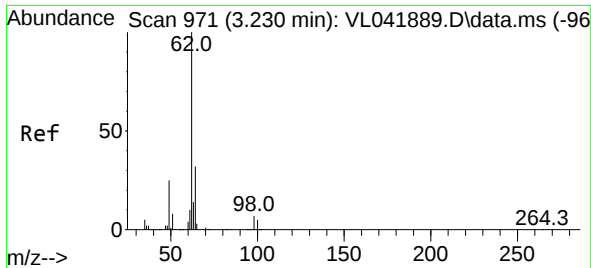


#36
Benzene
Concen: 11.296 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34



Tgt Ion: 78 Resp: 421071
Ion Ratio Lower Upper
78 100
77 23.2 18.1 27.1
50 18.1 15.2 22.8





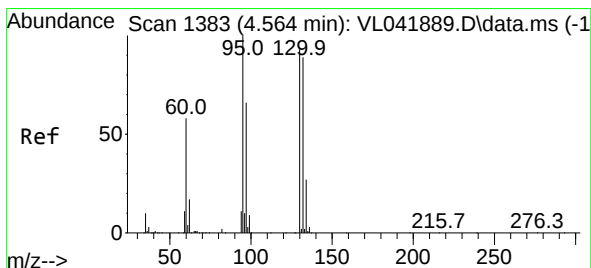
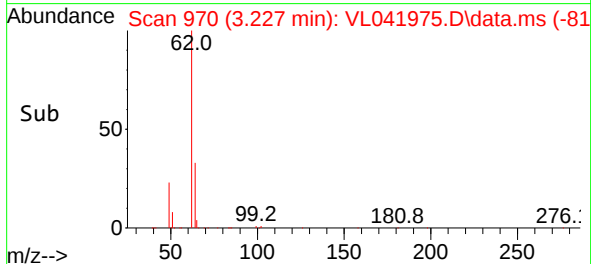
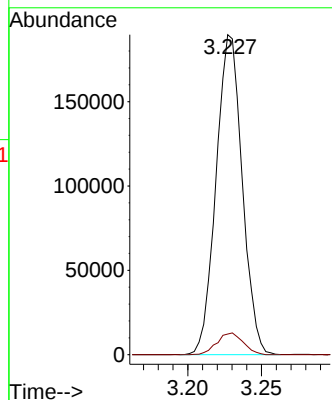
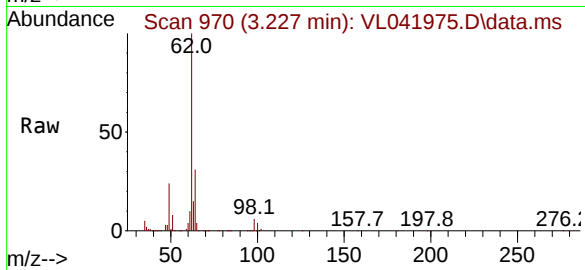
#37
1,2-Dichloroethane
Concen: 11.166 ppbv
RT: 3.227 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 23376
Ion Ratio Lower Upper
62 100
98 6.9 5.4 8.0

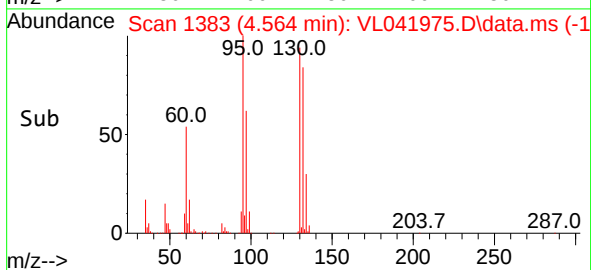
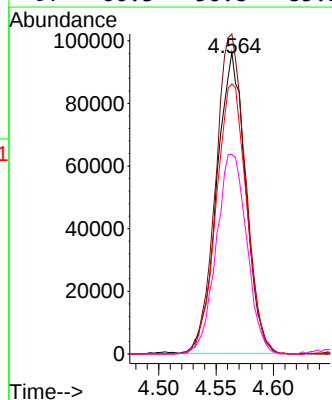
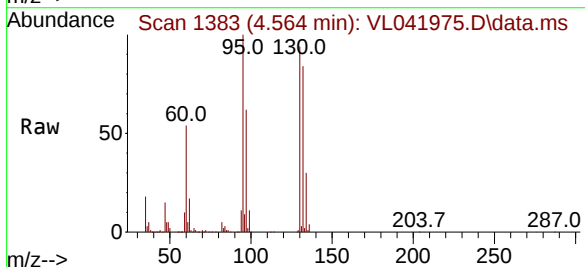
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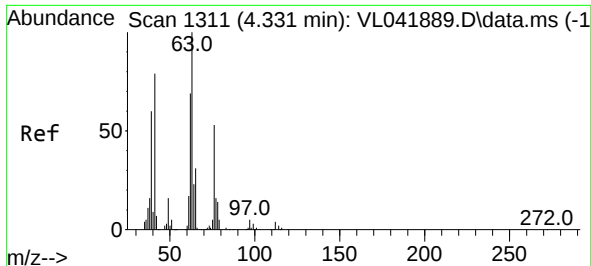
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#38
Trichloroethene
Concen: 11.323 ppbv
RT: 4.564 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

Tgt Ion:130 Resp: 167501
Ion Ratio Lower Upper
130 100
95 106.1 85.8 128.8
132 89.6 76.5 114.7
97 66.3 56.8 85.2





#39

1,2-Dichloropropane

Concen: 11.419 ppbv

RT: 4.327 min Scan# 1310

Delta R.T. -0.003 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 63 Resp: 149318

Ion Ratio Lower Upper

63 100

41 75.5 63.7 95.5

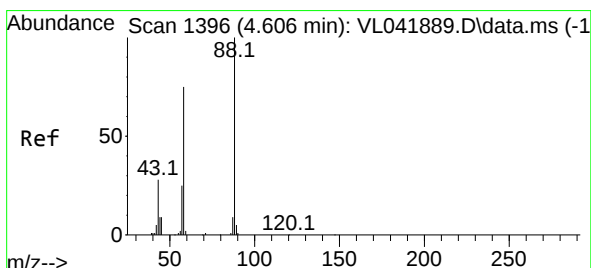
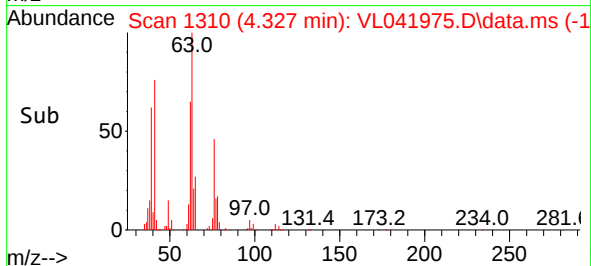
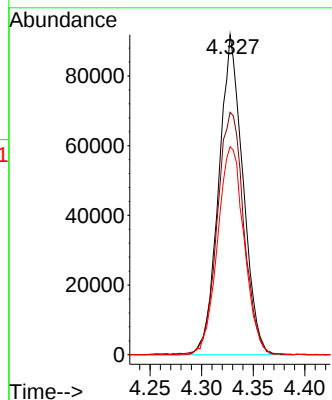
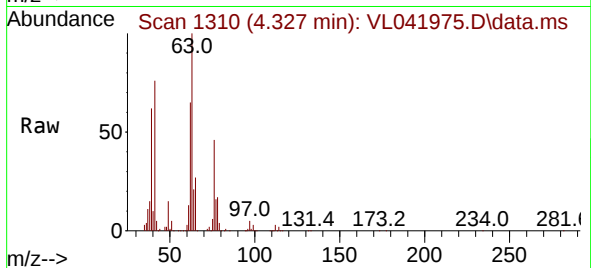
62 65.0 55.4 83.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025

Supervised By :Mahesh Dadoda 02/04/2025



#40

1,4-Dioxane

Concen: 10.851 ppbv

RT: 4.599 min Scan# 1394

Delta R.T. -0.007 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

Tgt Ion: 88 Resp: 71655

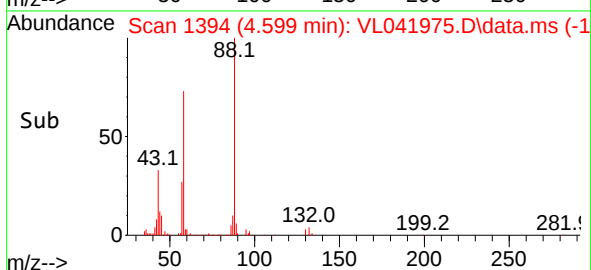
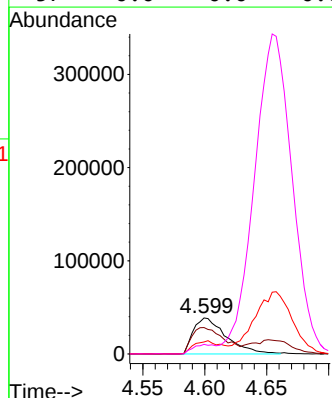
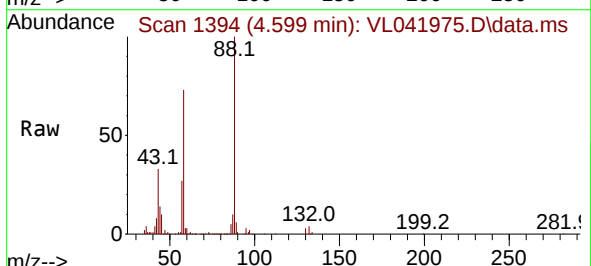
Ion Ratio Lower Upper

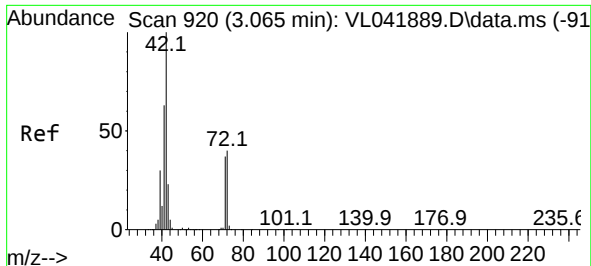
88 100

58 77.2 62.1 93.1

43 0.0 0.0 0.0

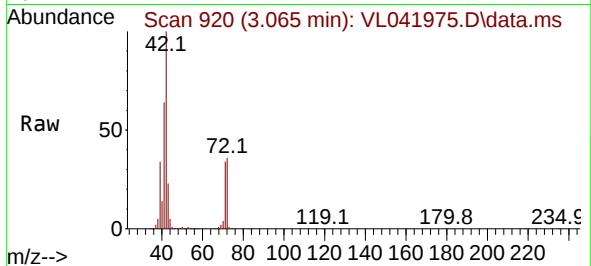
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 11.769 ppbv
RT: 3.065 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

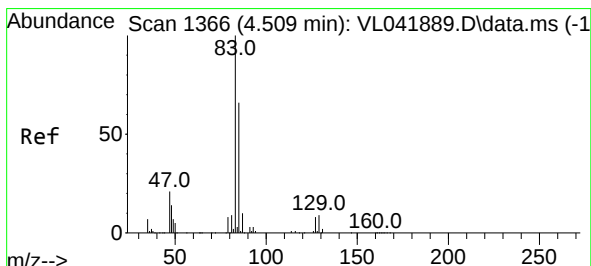
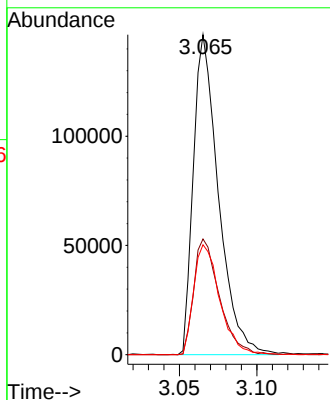
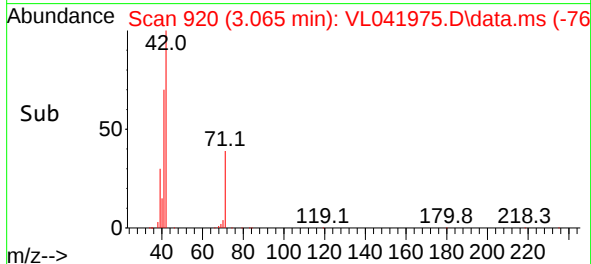
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 42 Resp: 165320
Ion Ratio Lower Upper
42 100
72 36.9 32.3 48.5
71 35.6 29.9 44.9

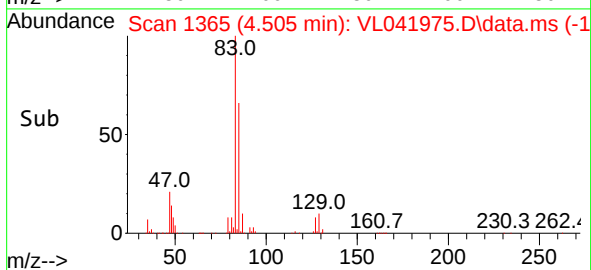
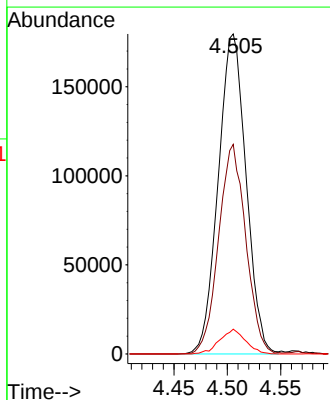
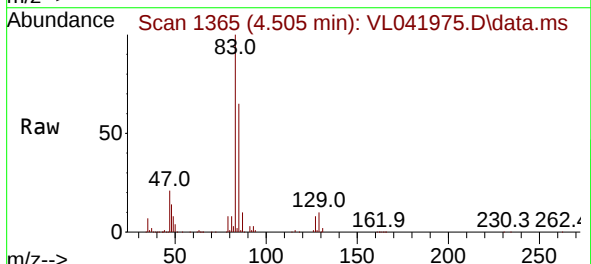
Manual Integrations
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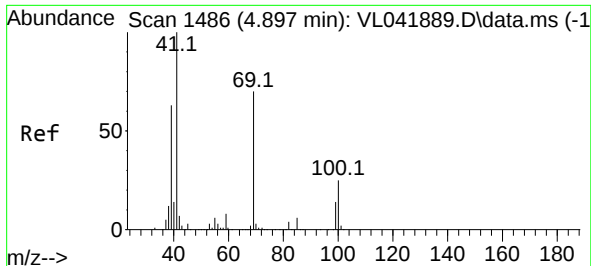
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#42
Bromodichloromethane
Concen: 11.610 ppbv
RT: 4.505 min Scan# 1365
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

Tgt Ion: 83 Resp: 325890
Ion Ratio Lower Upper
83 100
85 65.5 52.6 78.8
127 7.7 6.4 9.6





#43

Methyl Methacrylate

Concen: 10.817 ppbv

RT: 4.897 min Scan# 1411

Delta R.T. -0.000 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 69 Resp: 149800

Ion Ratio Lower Upper

69 100

41 154.0 118.6 177.8

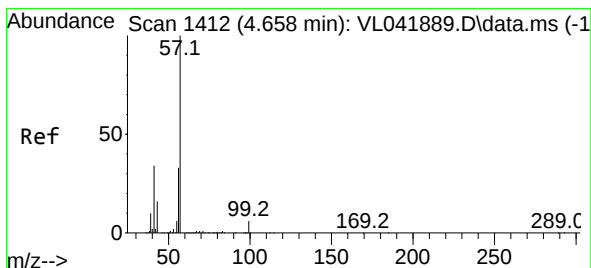
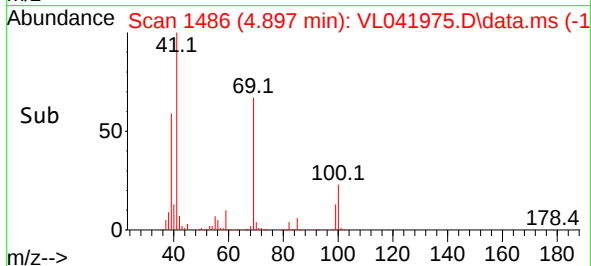
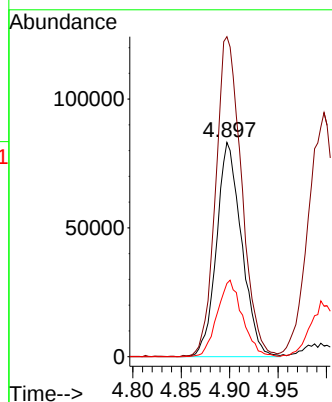
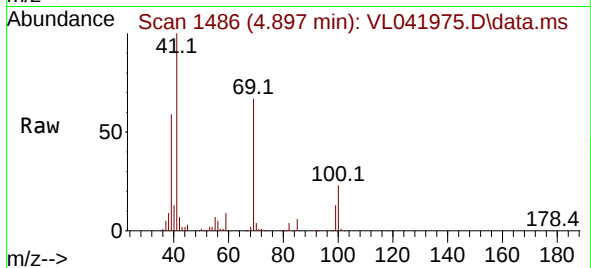
100 36.1 29.3 43.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025

Supervised By :Mahesh Dadoda 02/04/2025



#44

2,2,4-Trimethylpentane

Concen: 12.057 ppbv

RT: 4.654 min Scan# 1411

Delta R.T. -0.003 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

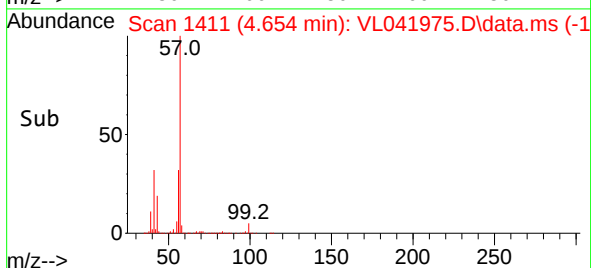
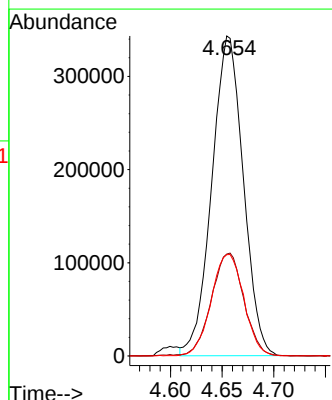
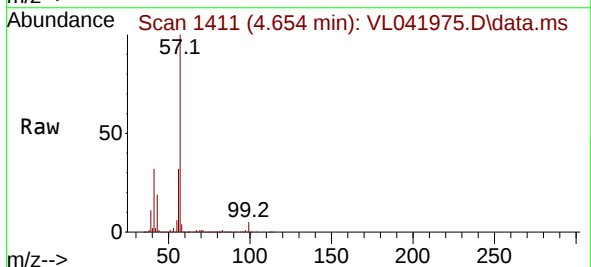
Tgt Ion: 57 Resp: 726996

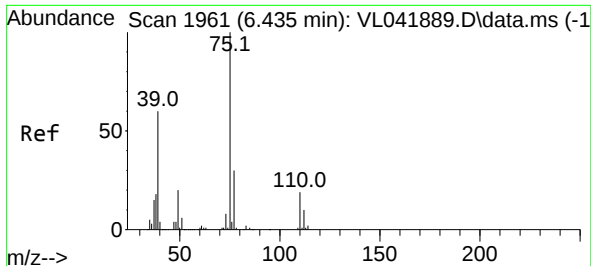
Ion Ratio Lower Upper

57 100

41 33.5 26.6 40.0

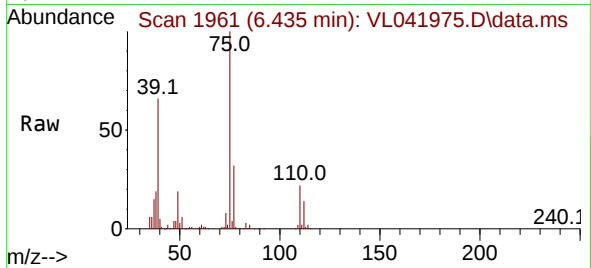
56 33.0 25.4 38.2





#45
 t-1,3-Dichloropropene
 Concen: 10.346 ppbv
 RT: 6.435 min Scan# 1961
 Delta R.T. -0.000 min
 Lab File: VL041975.D
 Acq: 04 Feb 2025 08:34

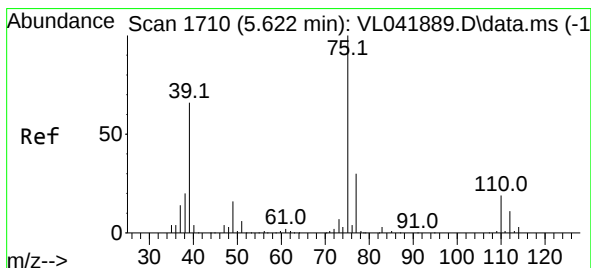
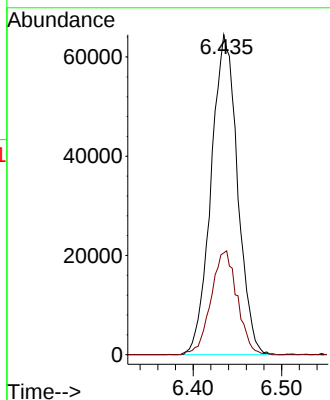
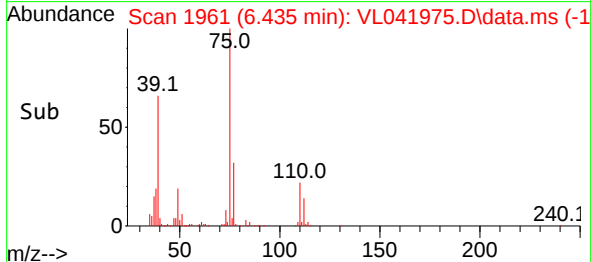
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion: 75 Resp: 134110
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.3 36.5

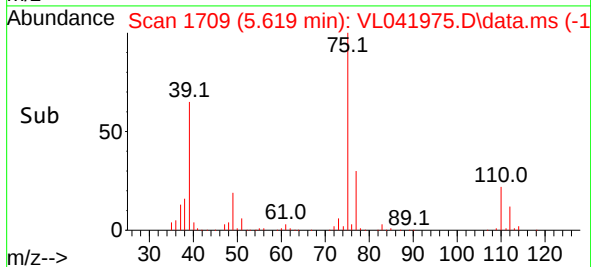
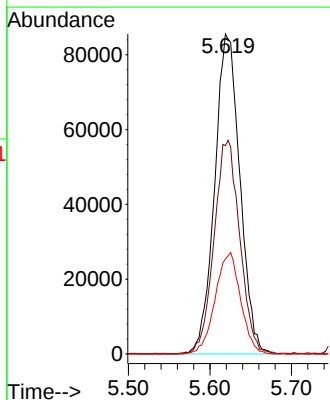
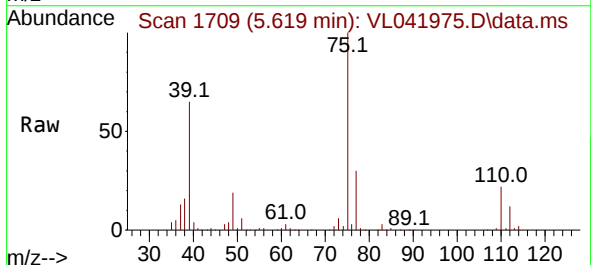
Manual Integrations
 APPROVED

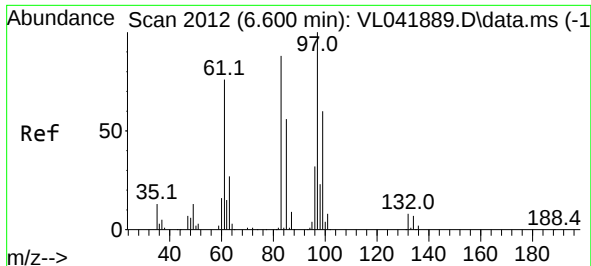
Reviewed By :Semsettin Yesilyurt 02/04/2025
 Supervised By :Mahesh Dadoda 02/04/2025



#46
 cis-1,3-Dichloropropene
 Concen: 10.844 ppbv
 RT: 5.619 min Scan# 1709
 Delta R.T. -0.003 min
 Lab File: VL041975.D
 Acq: 04 Feb 2025 08:34

Tgt Ion: 75 Resp: 184550
 Ion Ratio Lower Upper
 75 100
 39 65.0 53.1 79.7
 77 29.7 23.8 35.8





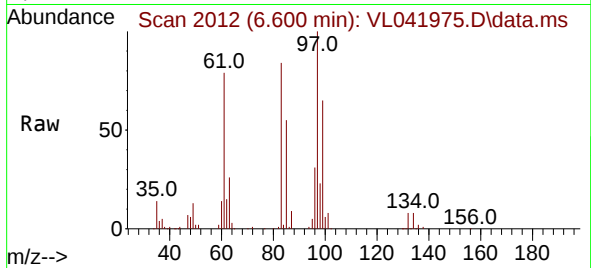
#47
1,1,2-Trichloroethane
Concen: 12.138 ppbv
RT: 6.600 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

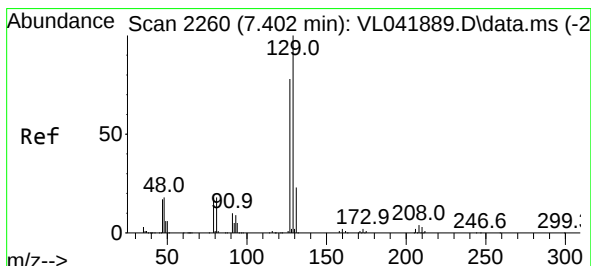
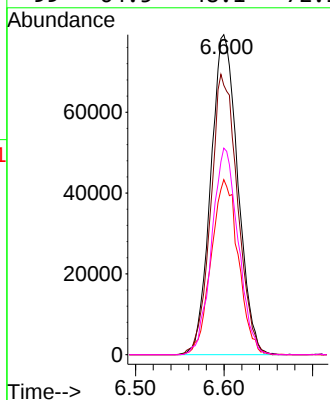
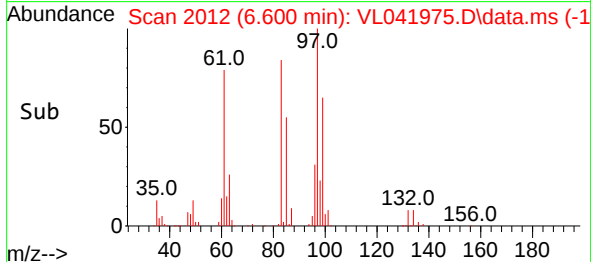


Tgt Ion: 97 Resp: 168219
Ion Ratio Lower Upper
97 100
83 84.1 70.4 105.6
85 54.7 45.0 67.4
99 64.5 48.1 72.1

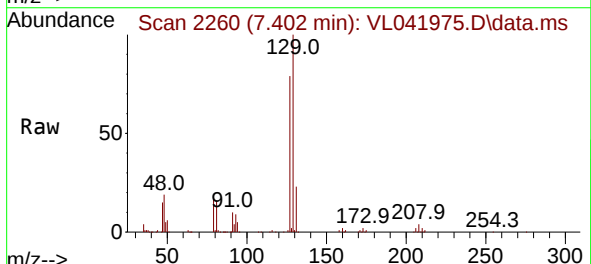
Manual Integrations

APPROVED

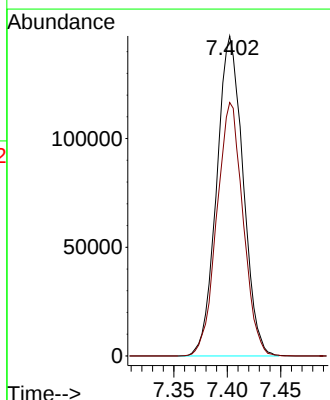
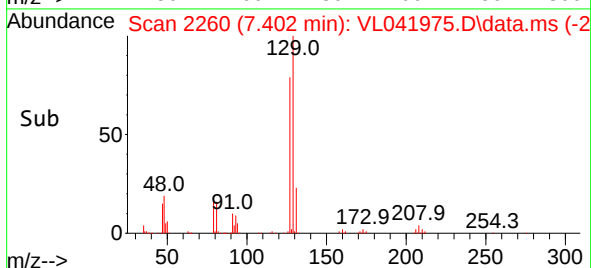
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025

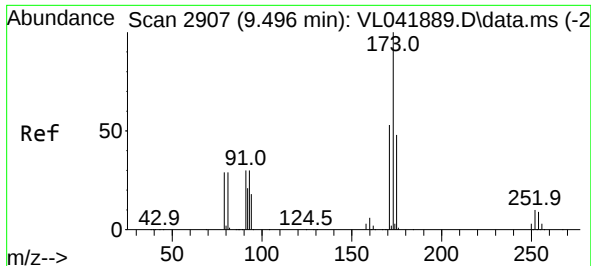


#48
Dibromochloromethane
Concen: 11.818 ppbv
RT: 7.402 min Scan# 2260
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34



Tgt Ion:129 Resp: 252709
Ion Ratio Lower Upper
129 100
127 78.9 39.3 117.8





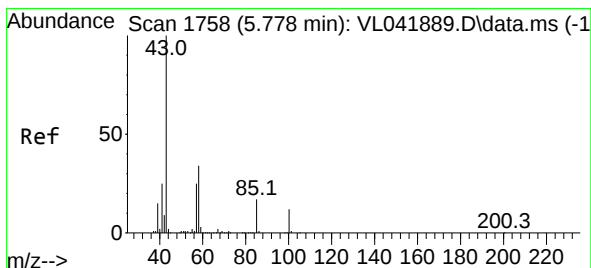
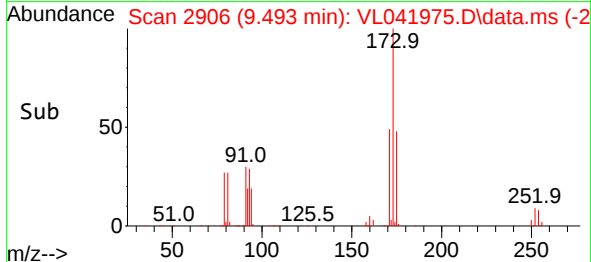
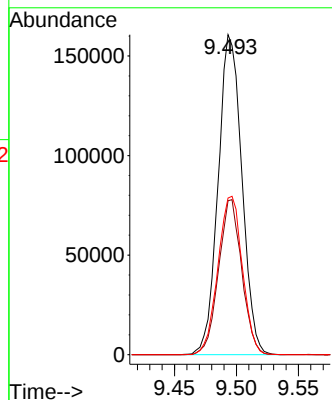
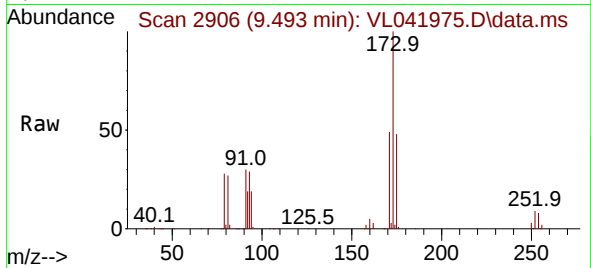
#49
Bromoform
Concen: 12.231 ppbv
RT: 9.493 min Scan# 2907
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 21483
Ion Ratio Lower Upper
173 100
175 47.3 38.4 57.6
171 50.9 41.4 62.2

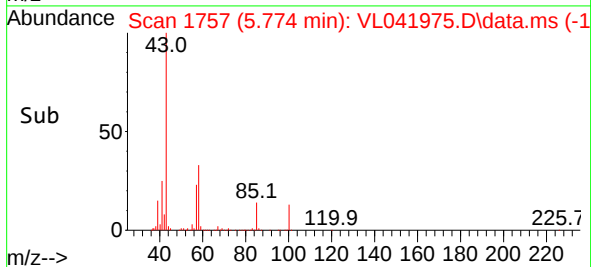
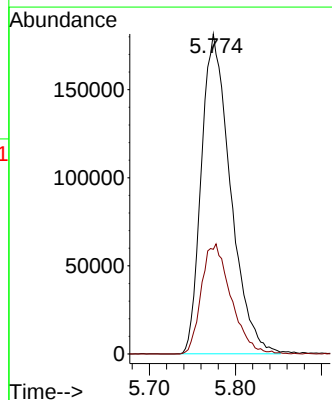
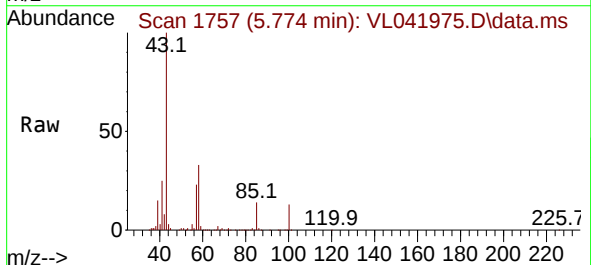
Manual Integrations
APPROVED

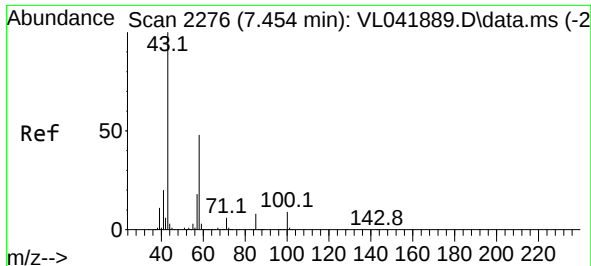
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#50
4-Methyl-2-Pentanone
Concen: 12.097 ppbv
RT: 5.774 min Scan# 1757
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

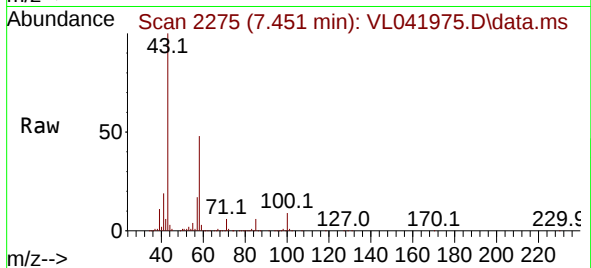
Tgt Ion: 43 Resp: 426844
Ion Ratio Lower Upper
43 100
58 35.0 29.0 43.6





#51
2-Hexanone
Concen: 12.391 ppbv
RT: 7.451 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

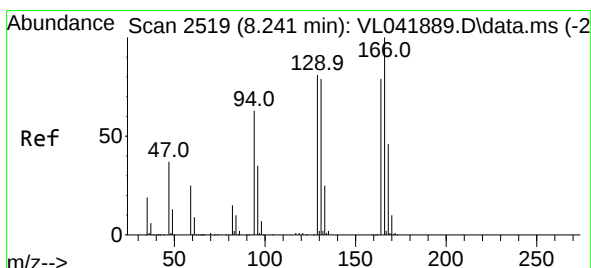
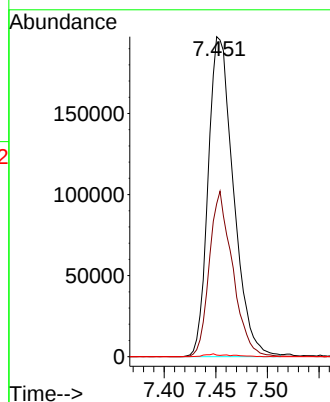
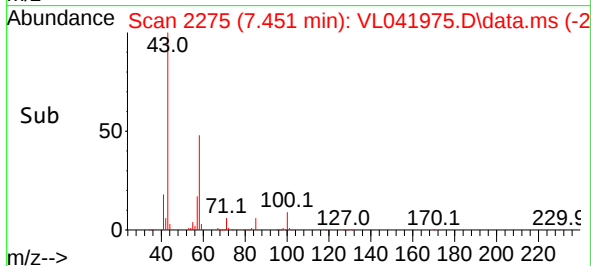
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 43 Resp: 335938
Ion Ratio Lower Upper
43 100
58 47.8 40.4 60.6
98 0.9 0.2 0.2

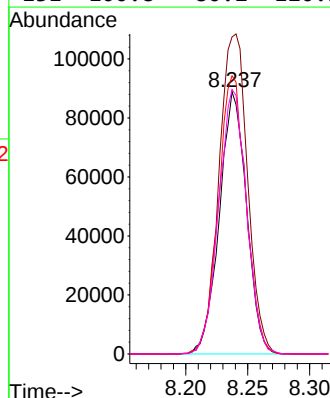
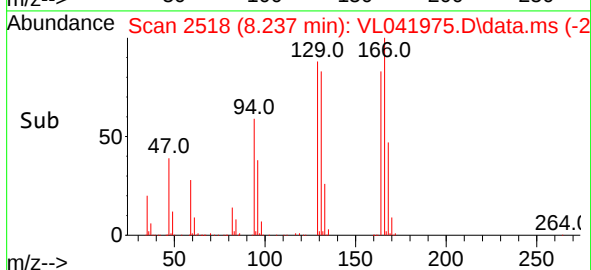
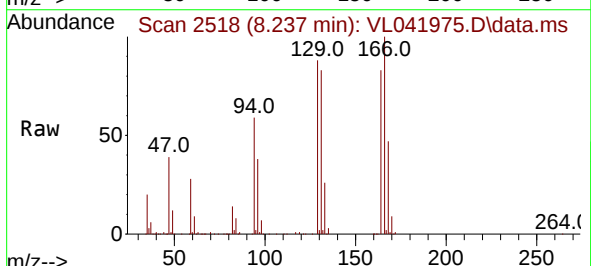
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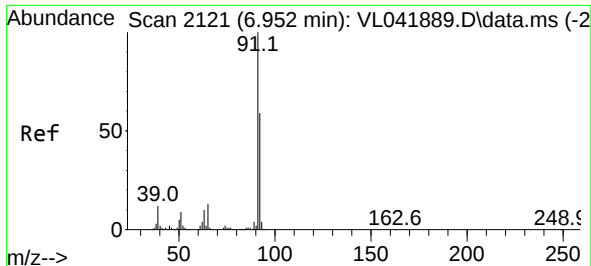
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#52
Tetrachloroethene
Concen: 10.450 ppbv
RT: 8.237 min Scan# 2518
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

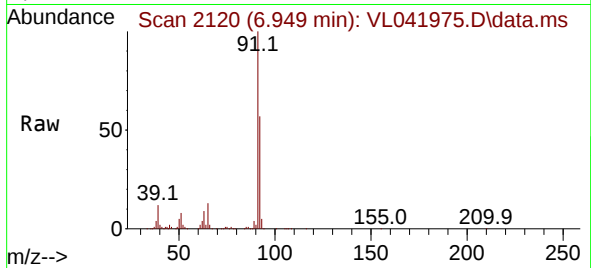
Tgt Ion:164 Resp: 135069
Ion Ratio Lower Upper
164 100
166 120.8 100.8 151.2
129 106.0 82.0 123.0
131 100.8 80.2 120.2





#53
Toluene
Concen: 11.543 ppbv
RT: 6.949 min Scan# 2121
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

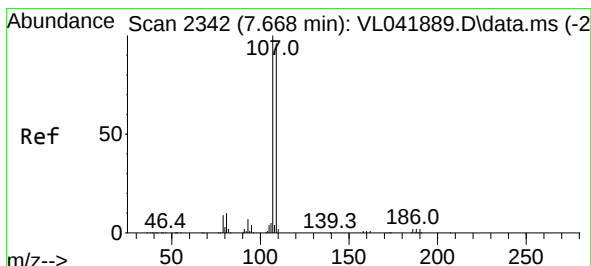
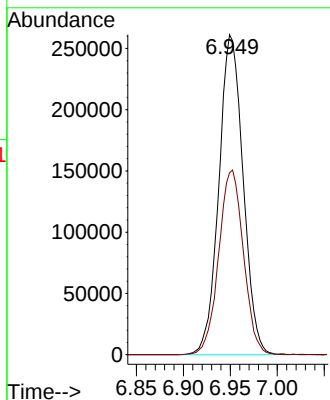
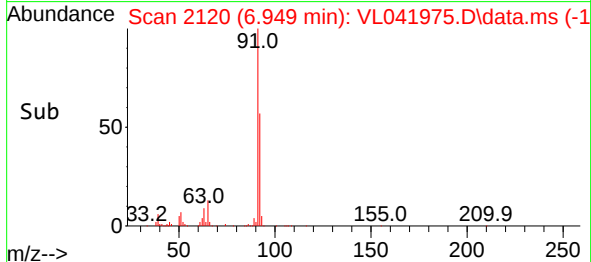
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 91 Resp: 46868
Ion Ratio Lower Upper
91 100
92 59.0 47.4 71.0

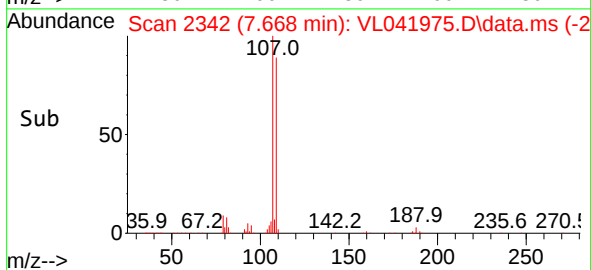
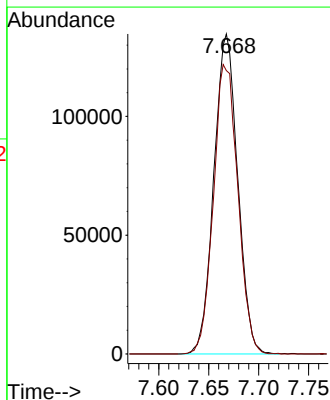
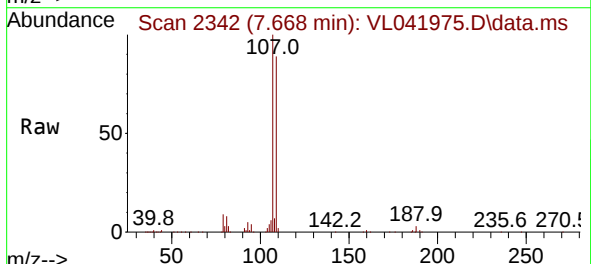
Manual Integrations
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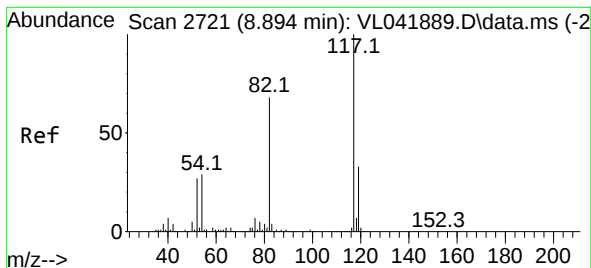
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#54
1,2-Dibromoethane
Concen: 11.715 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

Tgt Ion:107 Resp: 223193
Ion Ratio Lower Upper
107 100
109 88.6 76.7 115.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.894 min Scan# 2721

Delta R.T. -0.000 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:117 Resp: 34916

Ion Ratio Lower Upper

117 100

82 67.4 54.2 81.4

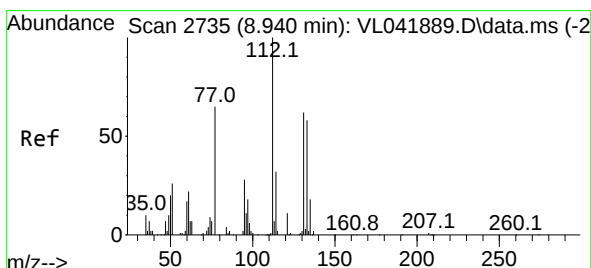
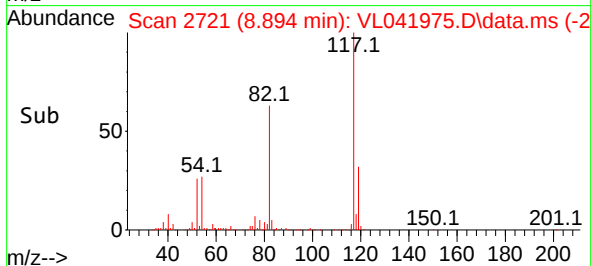
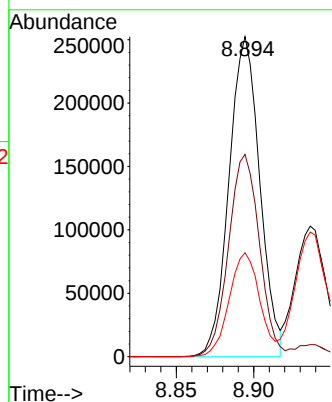
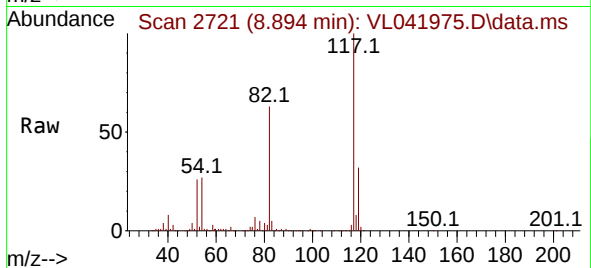
119 31.4 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025

Supervised By :Mahesh Dadoda 02/04/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 12.643 ppbv

RT: 8.936 min Scan# 2734

Delta R.T. -0.003 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

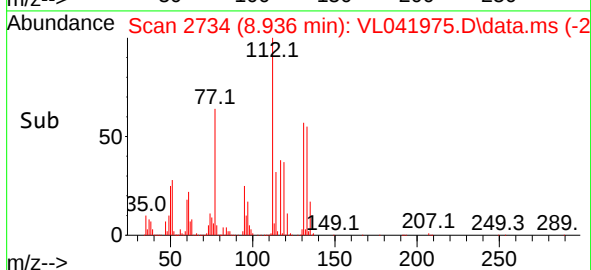
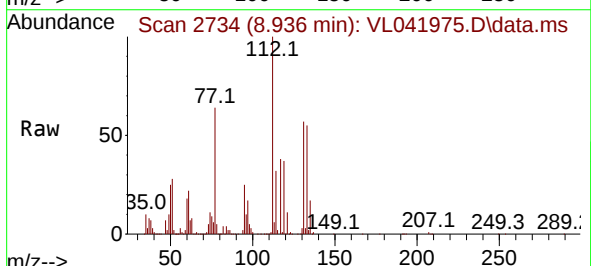
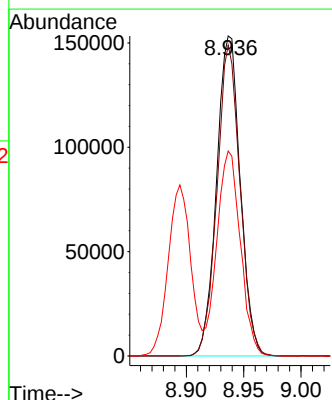
Tgt Ion:131 Resp: 220240

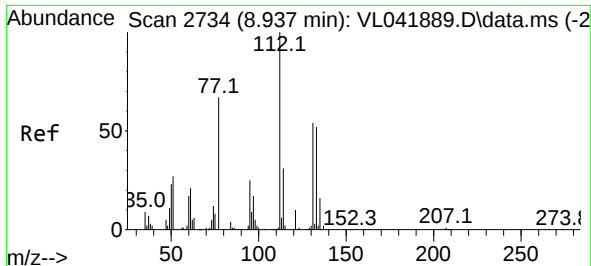
Ion Ratio Lower Upper

131 100

133 94.5 76.0 114.0

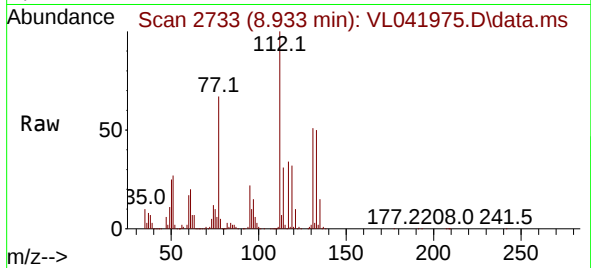
119 62.5 49.7 74.5





#57
Chlorobenzene
Concen: 12.478 ppbv
RT: 8.933 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

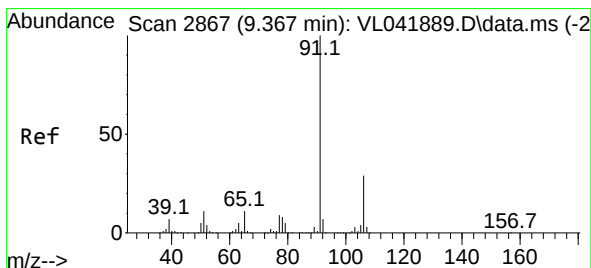
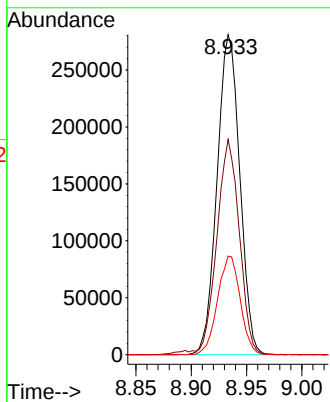
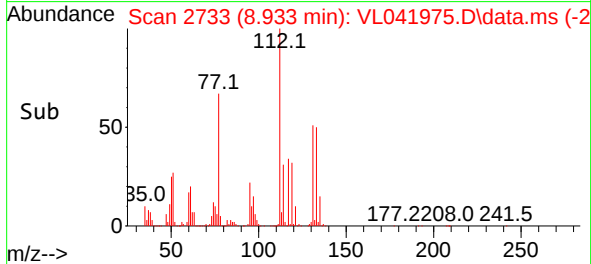
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion:112 Resp: 401878
Ion Ratio Lower Upper
112 100
77 67.2 54.6 82.0
114 30.8 28.2 34.4

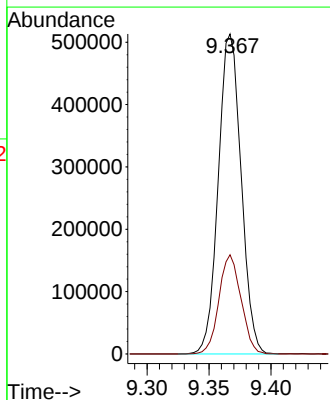
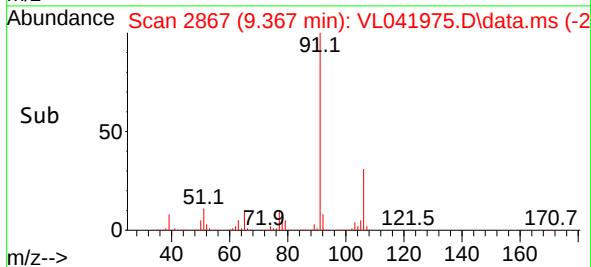
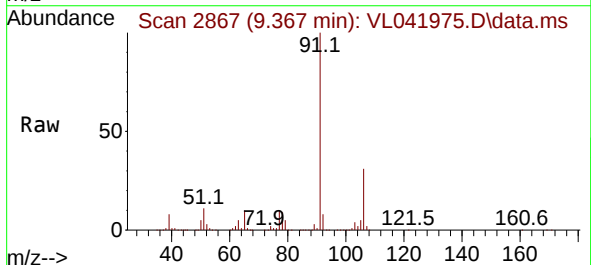
Manual Integrations
APPROVED

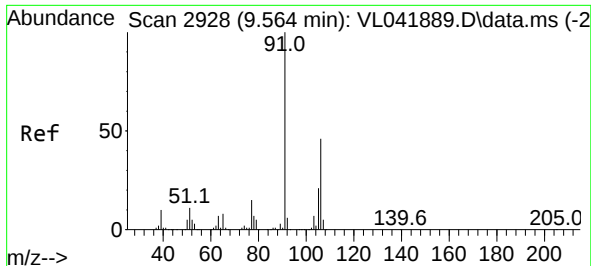
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#58
Ethyl Benzene
Concen: 12.075 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

Tgt Ion: 91 Resp: 658933
Ion Ratio Lower Upper
91 100
106 31.0 23.1 34.7





#59

m/p-Xylene

Concen: 25.818 ppbv m

RT: 9.561 min Scan# 2928

Delta R.T. -0.003 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 1129220

Ion Ratio Lower Upper

91 100

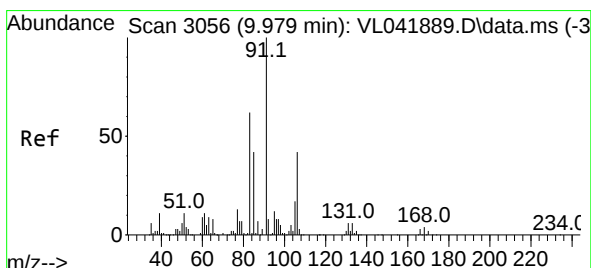
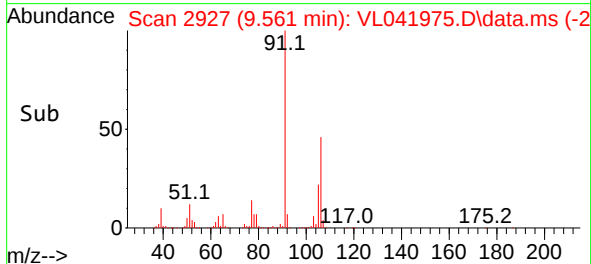
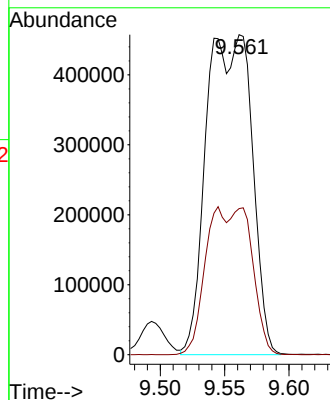
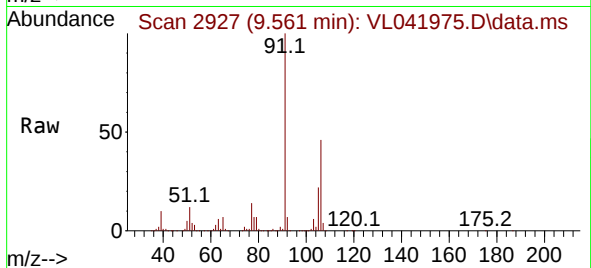
106 0.0 36.0 54.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025

Supervised By :Mahesh Dadoda 02/04/2025



#60

o-Xylene

Concen: 12.832 ppbv

RT: 9.975 min Scan# 3055

Delta R.T. -0.003 min

Lab File: VL041975.D

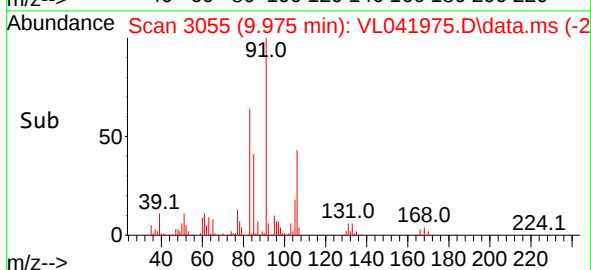
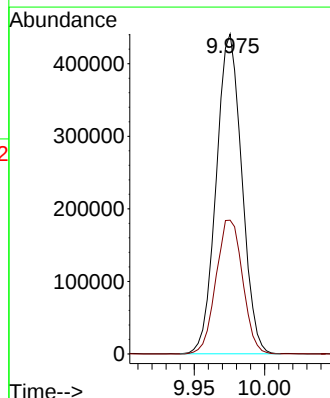
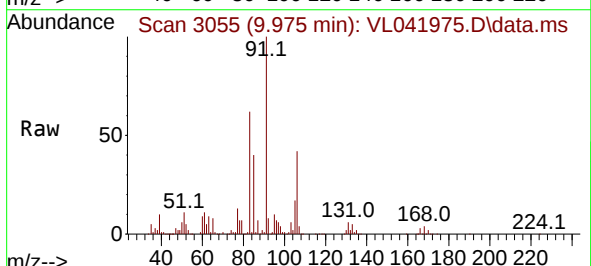
Acq: 04 Feb 2025 08:34

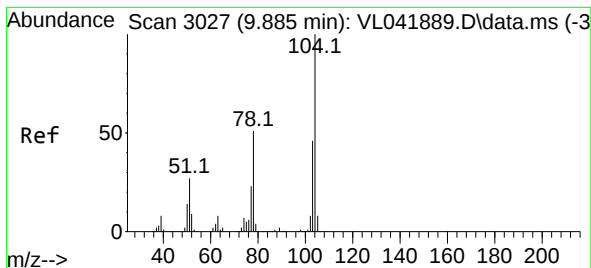
Tgt Ion: 91 Resp: 557105

Ion Ratio Lower Upper

91 100

106 43.8 21.3 63.9





#61

Styrene

Concen: 12.282 ppbv

RT: 9.882 min Scan# 3027

Delta R.T. -0.003 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

Instrument :

MSVOA_L

ClientSampleId :

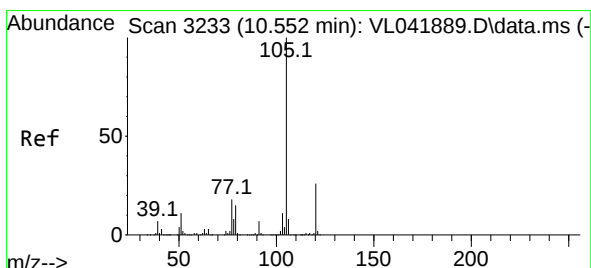
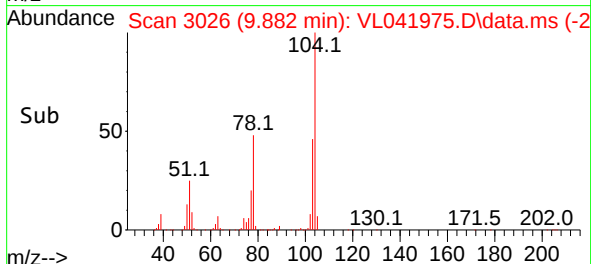
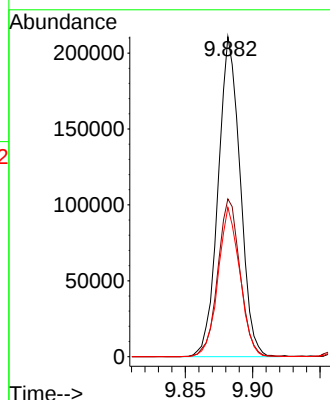
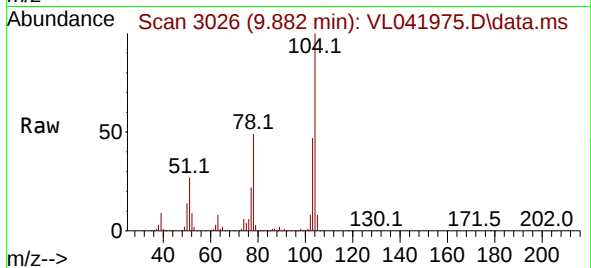
VSTDCCC010EC

Tgt Ion:104 Resp: 239200
 Ion Ratio Lower Upper
 104 100
 78 50.1 41.0 61.6
 103 46.3 37.2 55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025
 Supervised By :Mahesh Dadoda 02/04/2025



#62

Isopropylbenzene

Concen: 12.294 ppbv

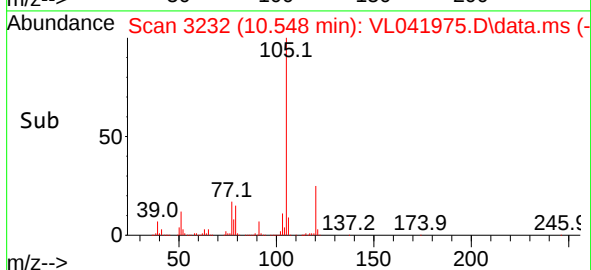
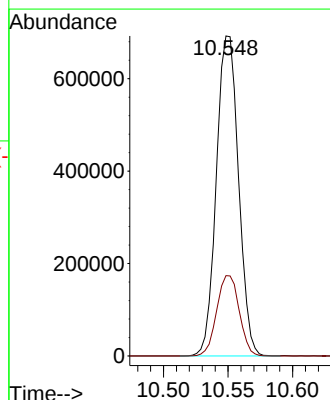
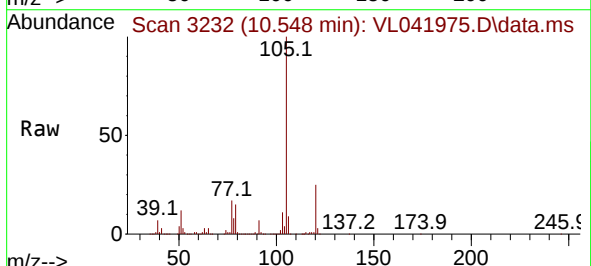
RT: 10.548 min Scan# 3232

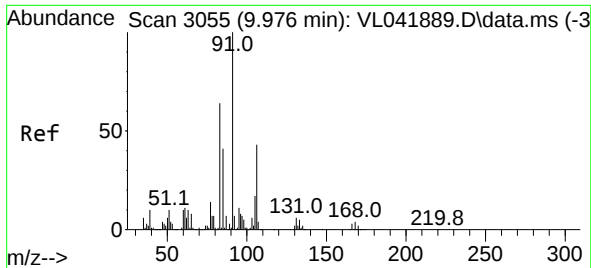
Delta R.T. -0.003 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

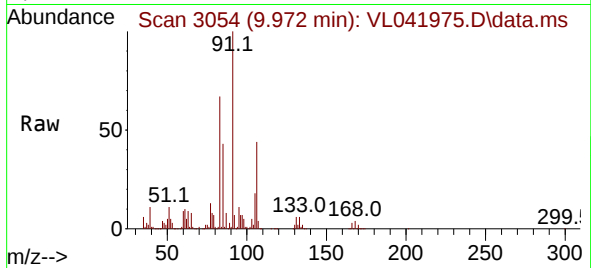
Tgt Ion:105 Resp: 825901
 Ion Ratio Lower Upper
 105 100
 120 25.5 20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 12.893 ppbv
RT: 9.972 min Scan# 3055
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

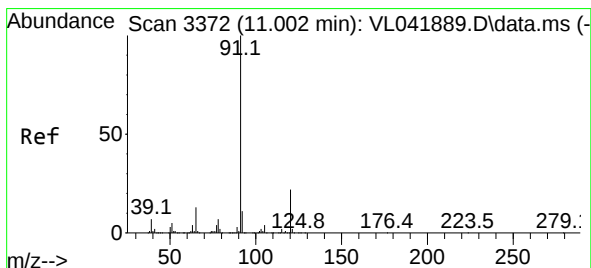
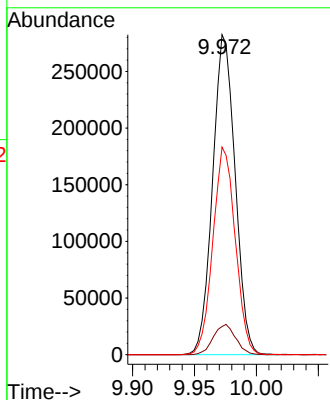
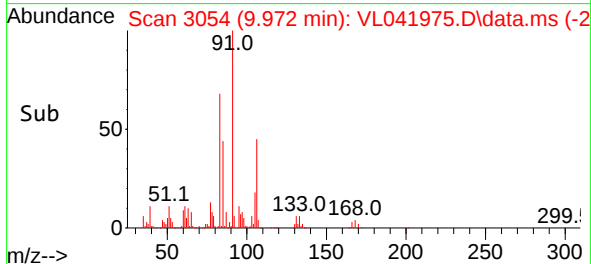
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



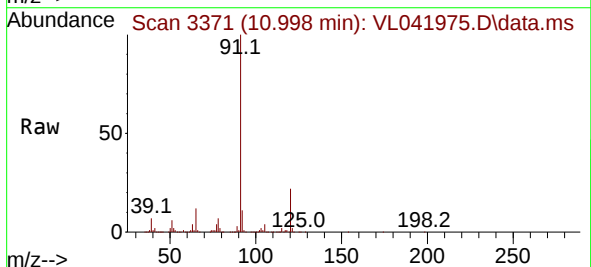
Tgt Ion: 83 Resp: 357674
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.4
85 64.6 32.4 97.2

Manual Integrations
APPROVED

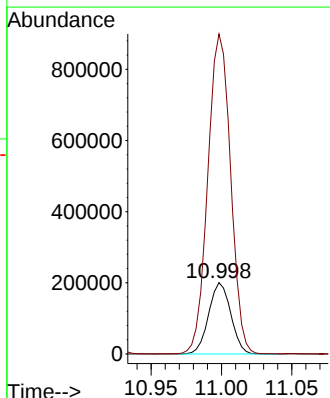
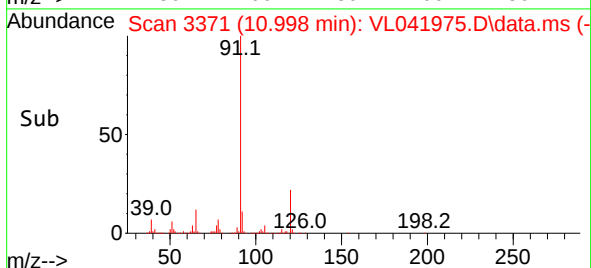
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025

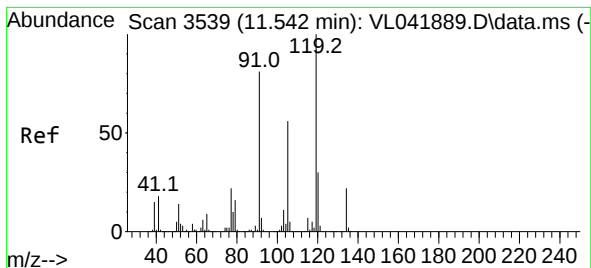


#64
n-propylbenzene
Concen: 12.894 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34



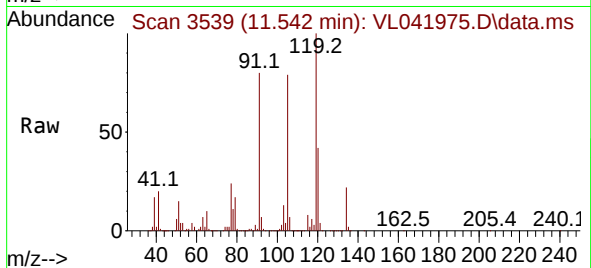
Tgt Ion:120 Resp: 218875
Ion Ratio Lower Upper
120 100
91 464.9 374.1 561.1





#65
tert-Butylbenzene
Concen: 12.156 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

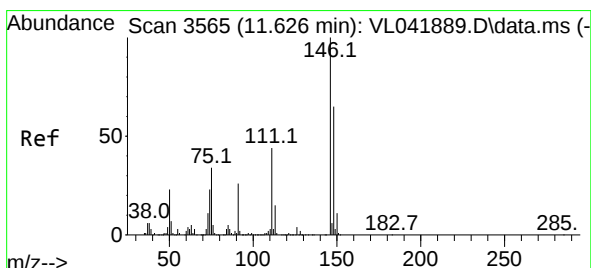
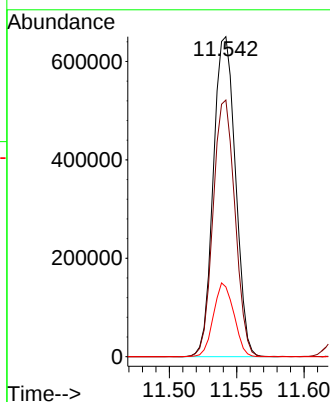
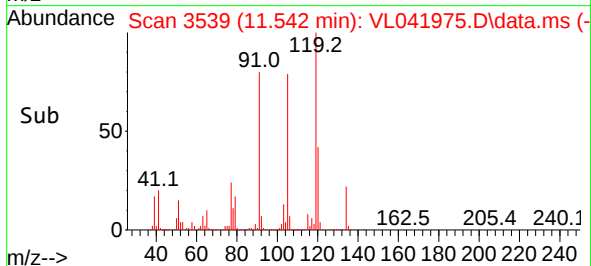
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



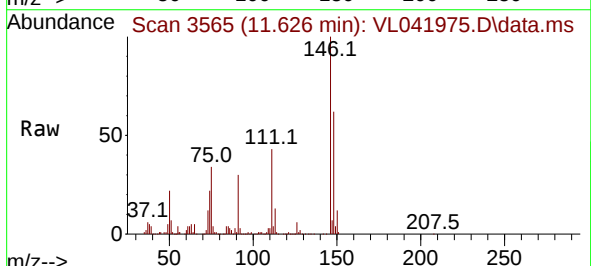
Tgt Ion: 119 Resp: 744179
Ion Ratio Lower Upper
119 100
91 79.4 64.6 97.0
134 21.2 16.8 25.2

Manual Integrations
APPROVED

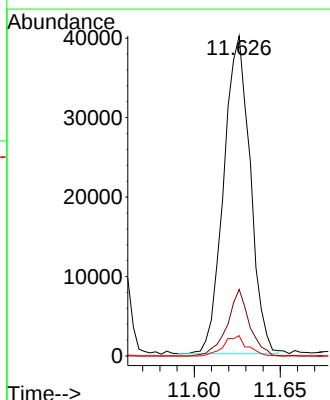
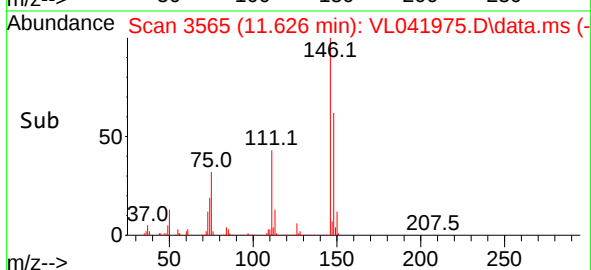
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025

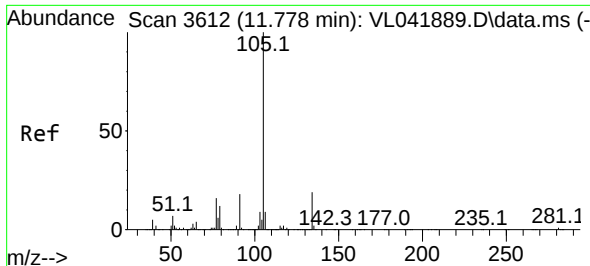


#66
Benzyl Chloride
Concen: 11.293 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. -0.000 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34



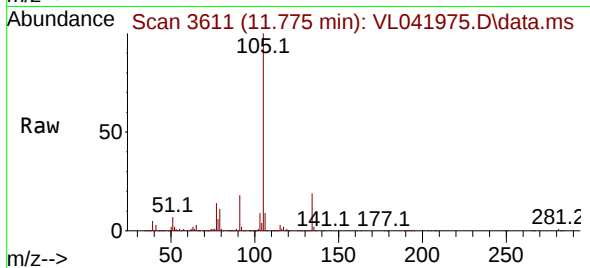
Tgt Ion: 91 Resp: 42794
Ion Ratio Lower Upper
91 100
126 17.6 14.1 21.1
128 5.7 4.3 6.5





#67
 sec-Butylbenzene
 Concen: 12.367 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. -0.003 min
 Lab File: VL041975.D
 Acq: 04 Feb 2025 08:34

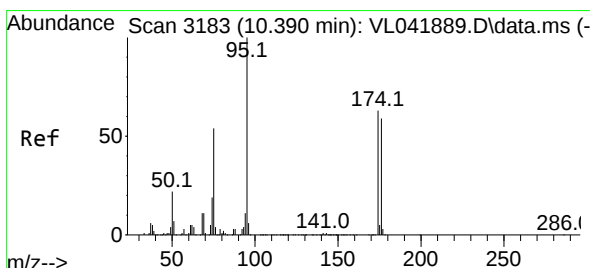
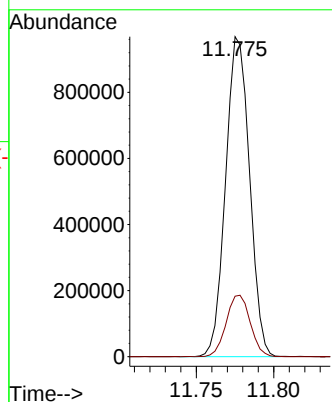
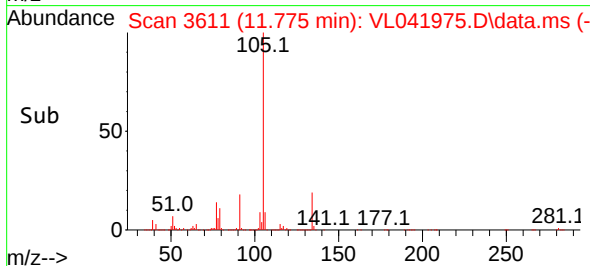
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



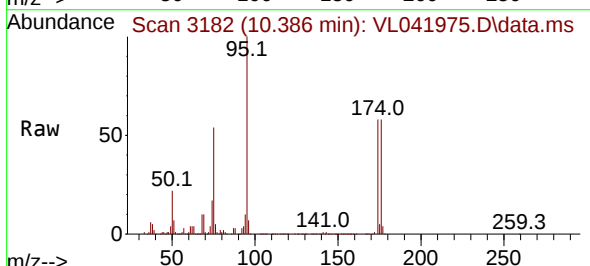
Tgt Ion:105 Resp: 1042572
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.1 22.7

Manual Integrations
 APPROVED

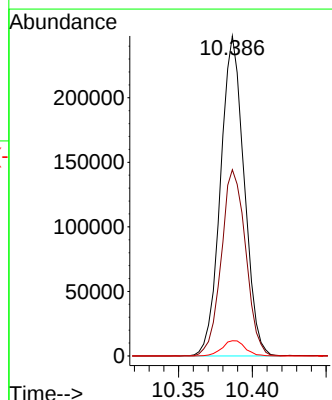
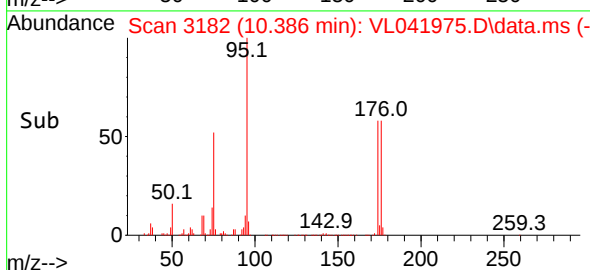
Reviewed By :Semsettin Yesilyurt 02/04/2025
 Supervised By :Mahesh Dadoda 02/04/2025

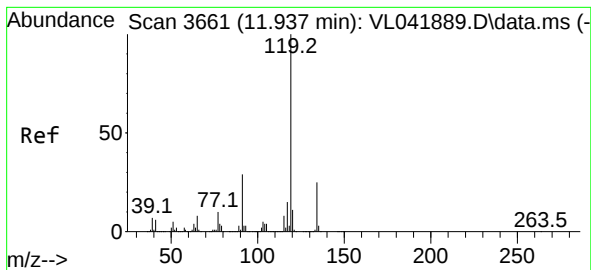


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.039 ppbv
 RT: 10.386 min Scan# 3182
 Delta R.T. -0.003 min
 Lab File: VL041975.D
 Acq: 04 Feb 2025 08:34



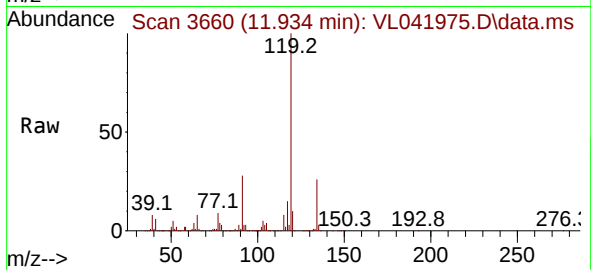
Tgt Ion: 95 Resp: 276076
 Ion Ratio Lower Upper
 95 100
 174 60.3 49.0 73.4
 175 4.7 3.8 5.8





#69
p-Isopropyltoluene
Concen: 12.438 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

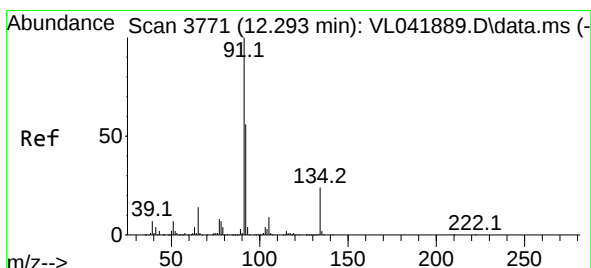
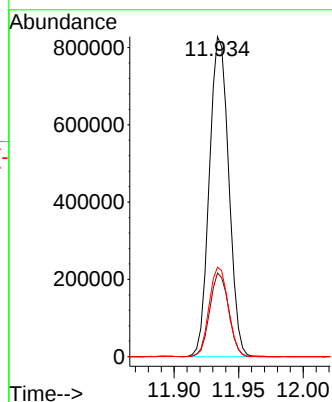
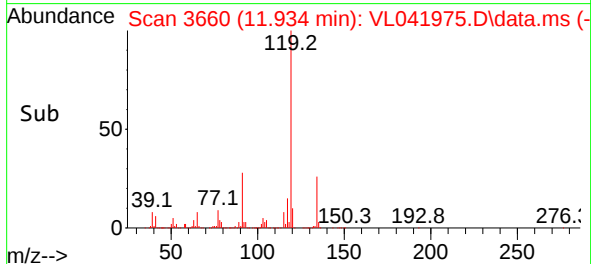
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



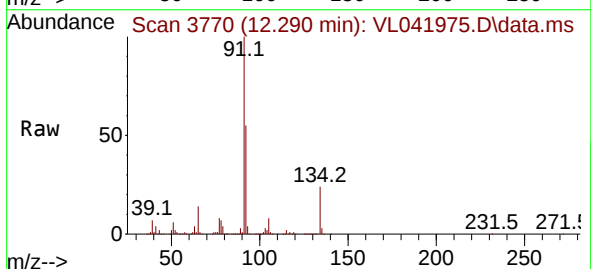
Tgt Ion: 119 Resp: 863419
Ion Ratio Lower Upper
119 100
134 25.5 19.8 29.6
91 27.7 23.0 34.4

Manual Integrations
APPROVED

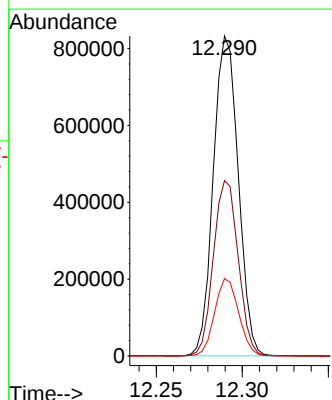
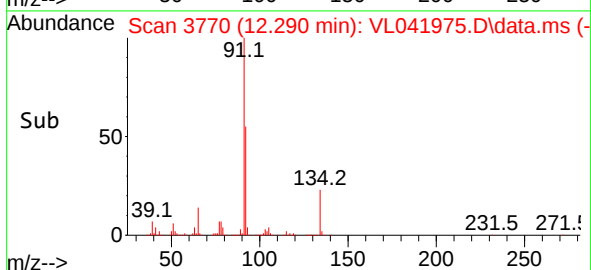
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025

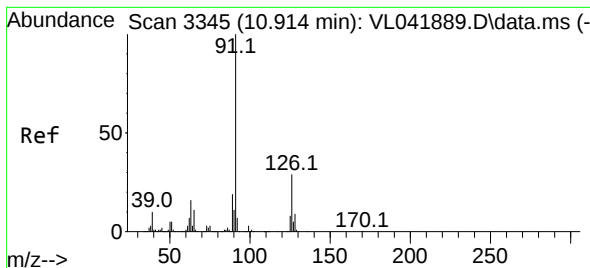


#70
n-Butylbenzene
Concen: 12.178 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34



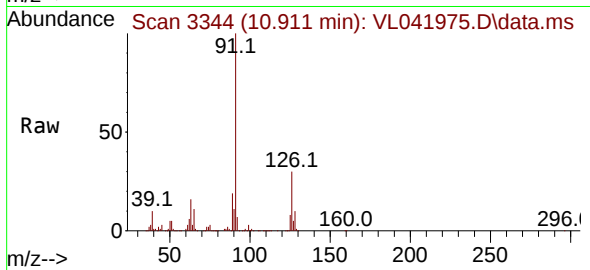
Tgt Ion: 91 Resp: 838410
Ion Ratio Lower Upper
91 100
92 54.6 43.8 65.6
134 23.4 19.0 28.6





#71
2-Chlorotoluene
Concen: 12.297 ppbv
RT: 10.911 min Scan# 311
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34

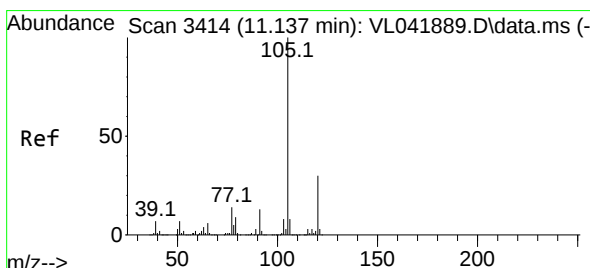
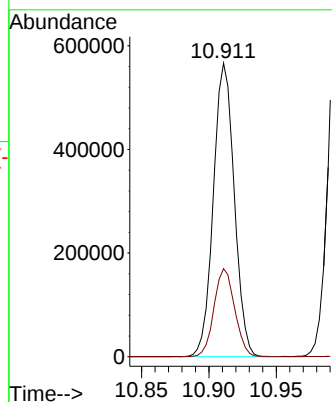
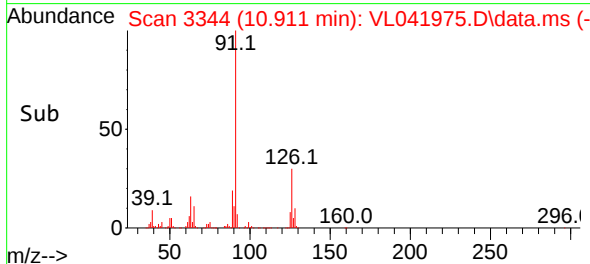
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



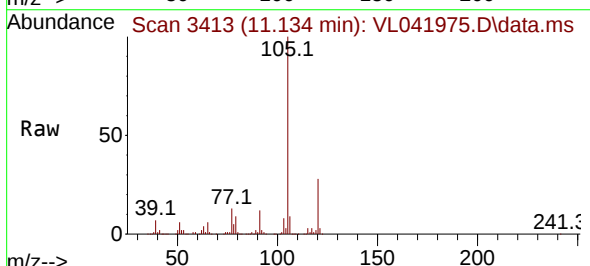
Tgt Ion: 91 Resp: 61108
Ion Ratio Lower Upper
91 100
126 29.6 11.7 46.7

Manual Integrations
APPROVED

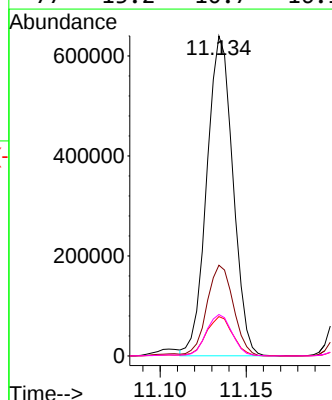
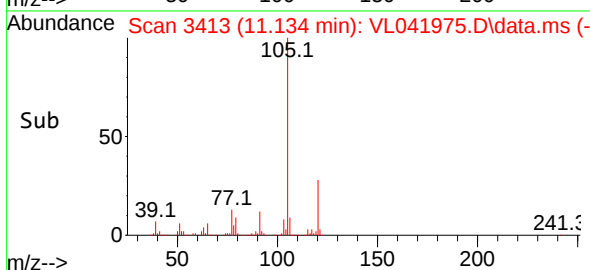
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025

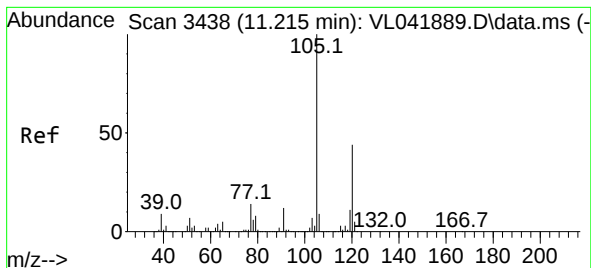


#72
4-Ethyltoluene
Concen: 13.013 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. -0.003 min
Lab File: VL041975.D
Acq: 04 Feb 2025 08:34



Tgt Ion:105 Resp: 675766
Ion Ratio Lower Upper
105 100
120 29.4 23.7 35.5
91 12.9 10.2 15.2
77 13.2 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 12.482 ppbv

RT: 11.215 min Scan# 3438

Delta R.T. -0.000 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 572424

Ion Ratio Lower Upper

105 100

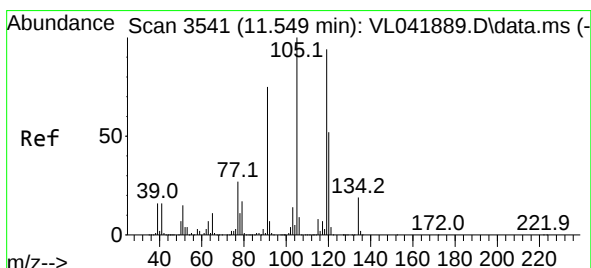
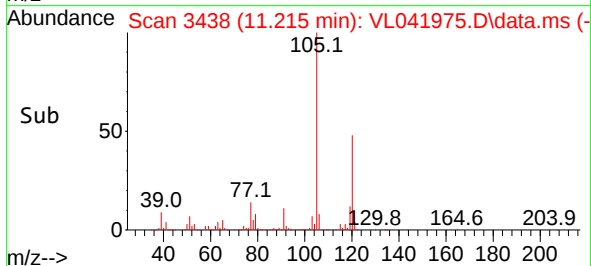
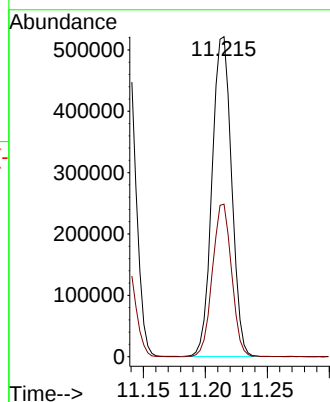
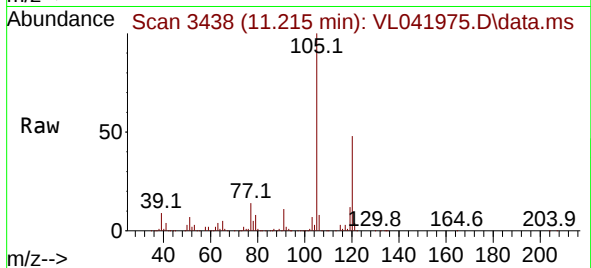
120 47.7 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025

Supervised By :Mahesh Dadoda 02/04/2025



#74

1,2,4-Trimethylbenzene

Concen: 12.696 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. -0.003 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

Tgt Ion:105 Resp: 630559

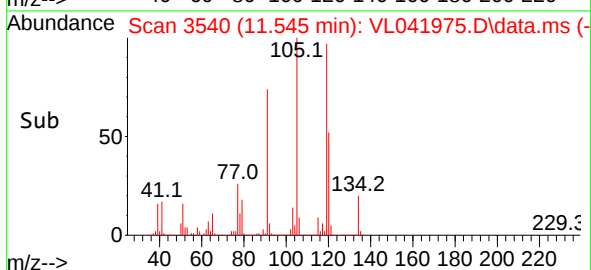
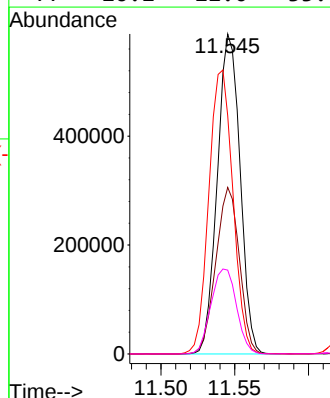
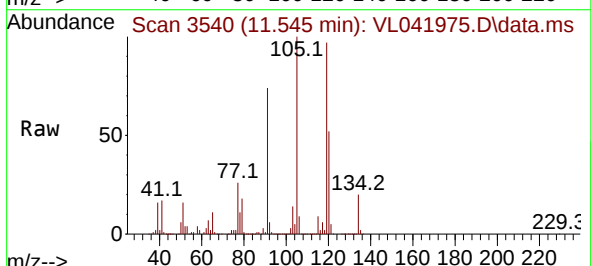
Ion Ratio Lower Upper

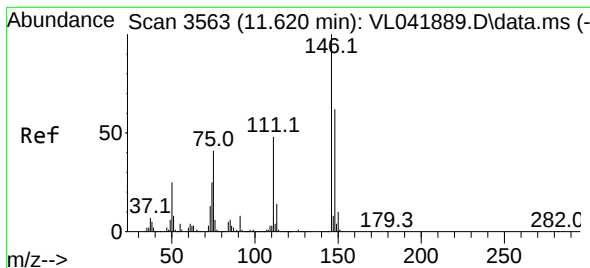
105 100

120 52.0 41.4 62.2

91 74.4 60.2 90.2

77 26.2 22.0 33.0





#75

1,3-Dichlorobenzene

Concen: 12.466 ppbv

RT: 11.616 min Scan# 3562

Delta R.T. -0.003 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

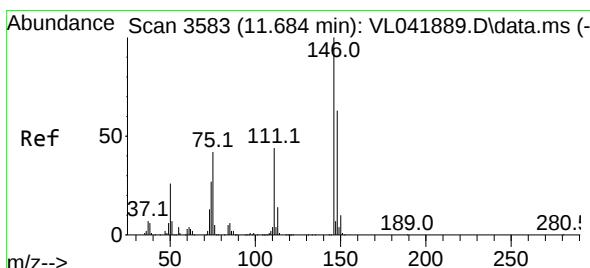
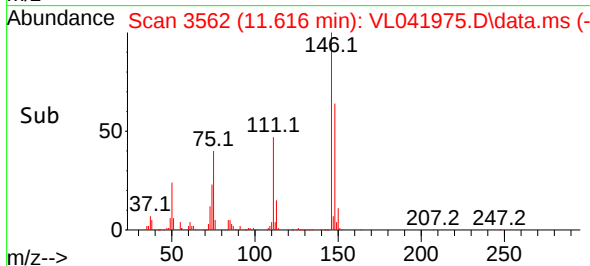
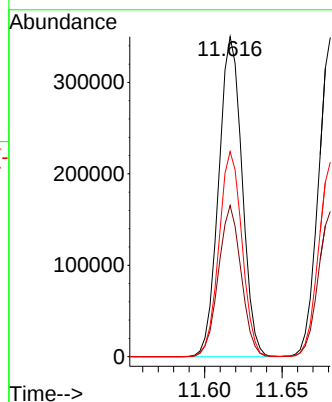
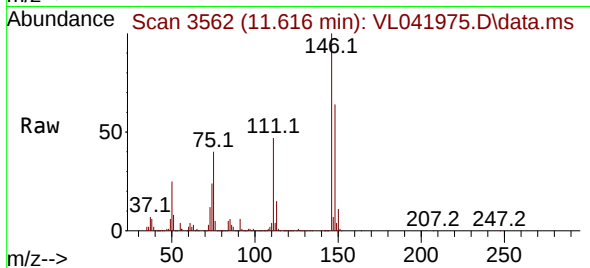
Tgt Ion:146 Resp: 36686

Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.6	70.8
148	63.3	31.4	94.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#76

1,4-Dichlorobenzene

Concen: 12.632 ppbv

RT: 11.681 min Scan# 3582

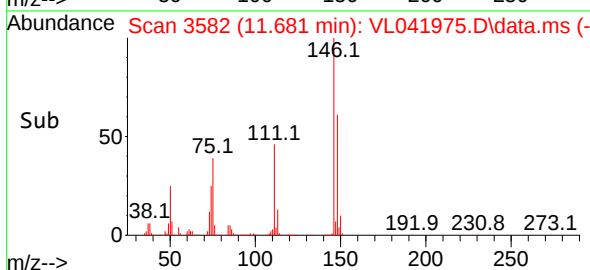
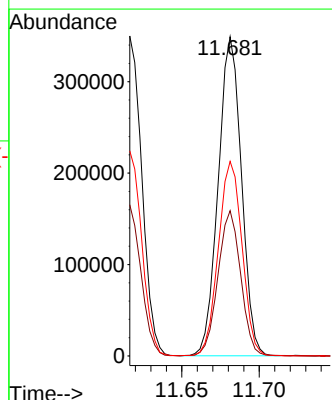
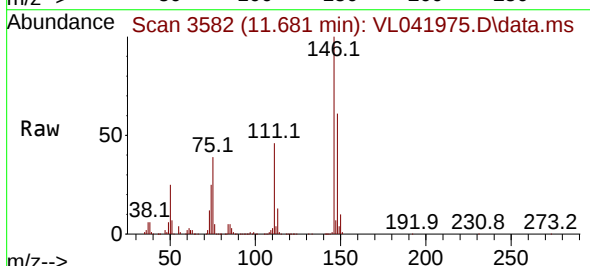
Delta R.T. -0.003 min

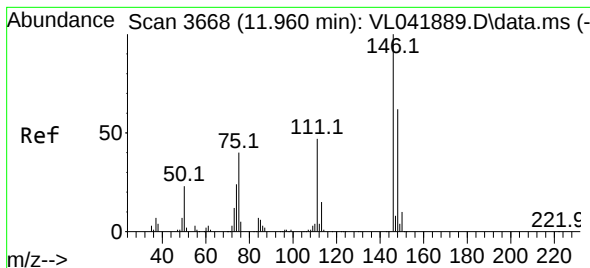
Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

Tgt Ion:146 Resp: 363709

Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.4	67.0
148	62.3	31.9	95.5





#77

1,2-Dichlorobenzene

Concen: 12.320 ppbv

RT: 11.956 min Scan# 3667

Delta R.T. -0.003 min

Lab File: VL041975.D

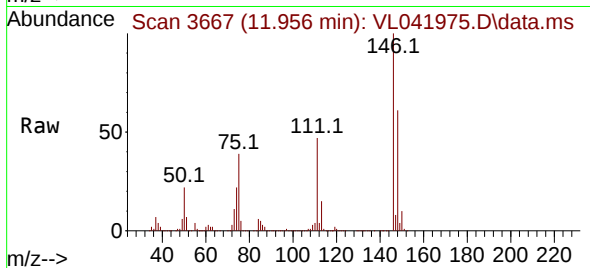
Acq: 04 Feb 2025 08:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:146 Resp: 359344

Ion Ratio Lower Upper

146 100

111 47.5 24.2 72.6

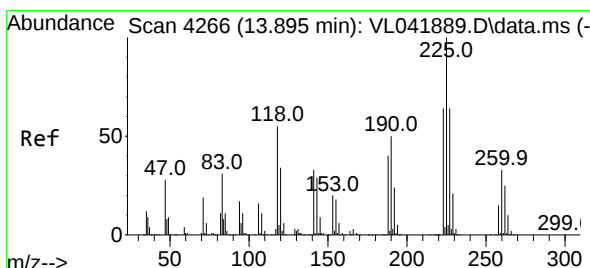
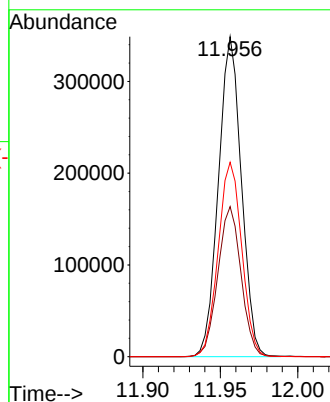
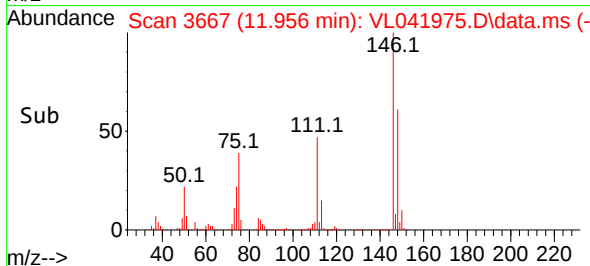
148 62.4 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025

Supervised By :Mahesh Dadoda 02/04/2025



#78

Hexachloro-1,3-Butadiene

Concen: 9.060 ppbv

RT: 13.889 min Scan# 4264

Delta R.T. -0.007 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

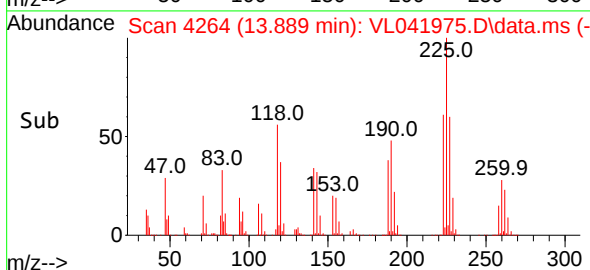
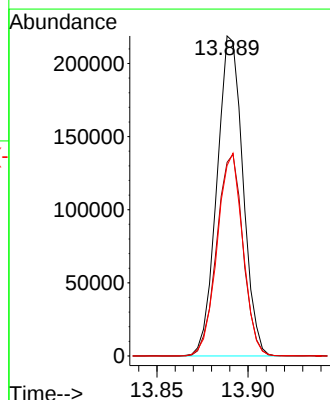
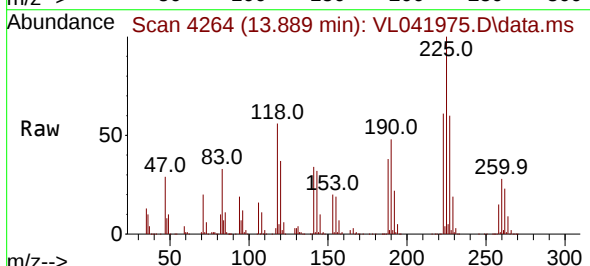
Tgt Ion:225 Resp: 216903

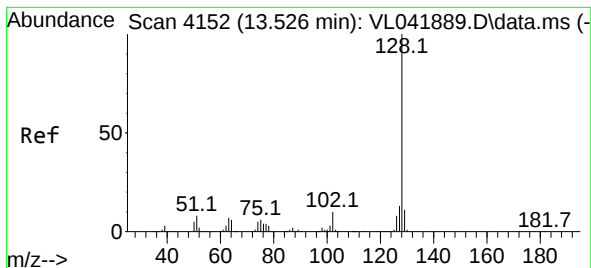
Ion Ratio Lower Upper

225 100

223 63.7 50.8 76.2

227 62.5 50.3 75.5





#79

Naphthalene

Concen: 10.103 ppbv

RT: 13.523 min Scan# 4152

Delta R.T. -0.003 min

Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

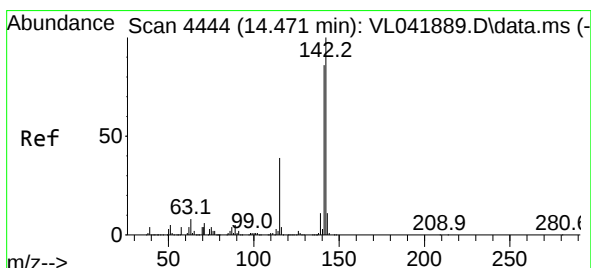
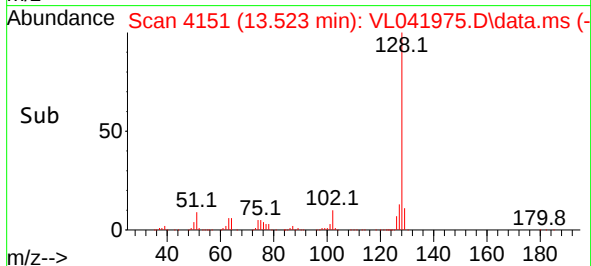
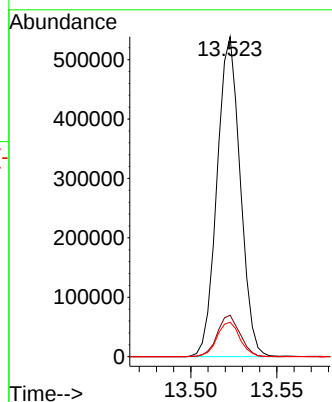
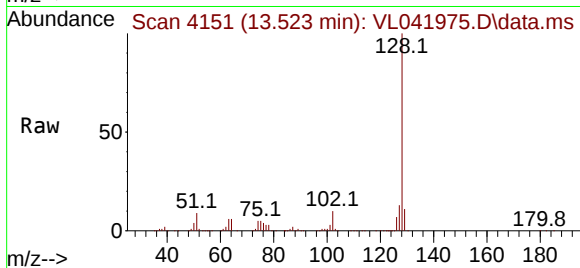
Tgt Ion:128 Resp: 50521

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.7	9.1	13.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#80

Naphthalene,2-methyl-

Concen: 6.707 ppbv

RT: 14.468 min Scan# 4443

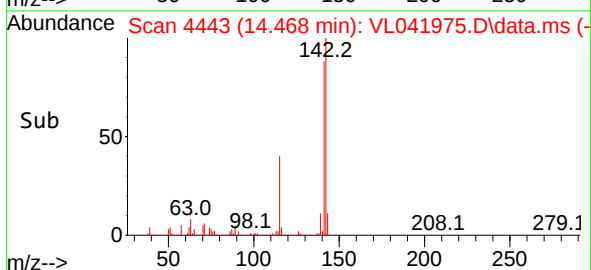
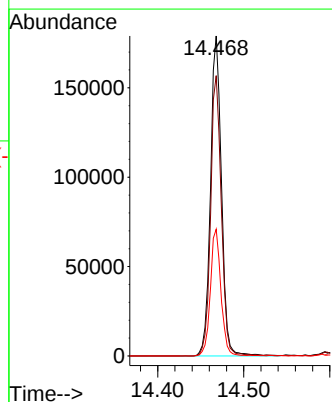
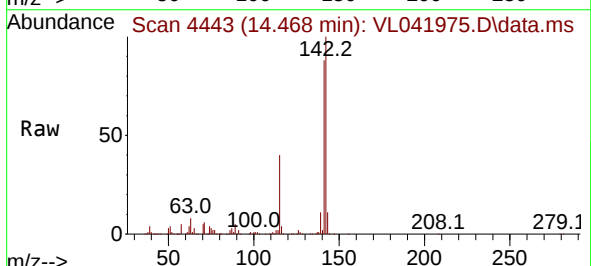
Delta R.T. -0.003 min

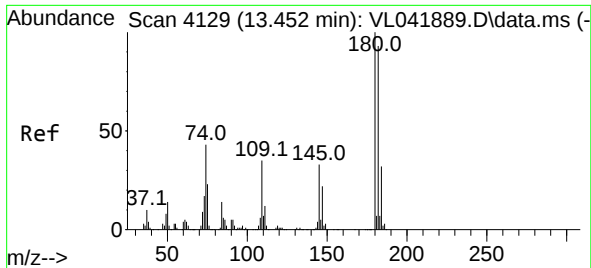
Lab File: VL041975.D

Acq: 04 Feb 2025 08:34

Tgt Ion:142 Resp: 159000

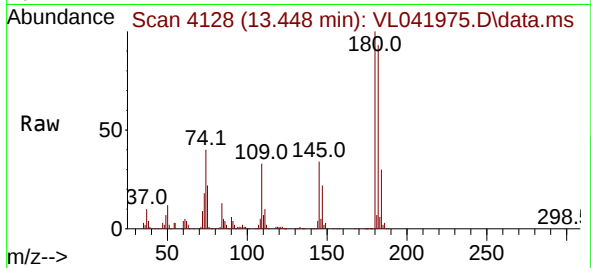
Ion	Ratio	Lower	Upper
142	100		
141	85.9	68.1	102.1
115	38.4	31.7	47.5





#81
 1,2,4-Trichlorobenzene
 Concen: 8.925 ppbv
 RT: 13.448 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL041975.D
 Acq: 04 Feb 2025 08:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion:180 Resp: 21783
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.0 115.6
 184 30.5 24.9 37.3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025
 Supervised By :Mahesh Dadoda 02/04/2025

